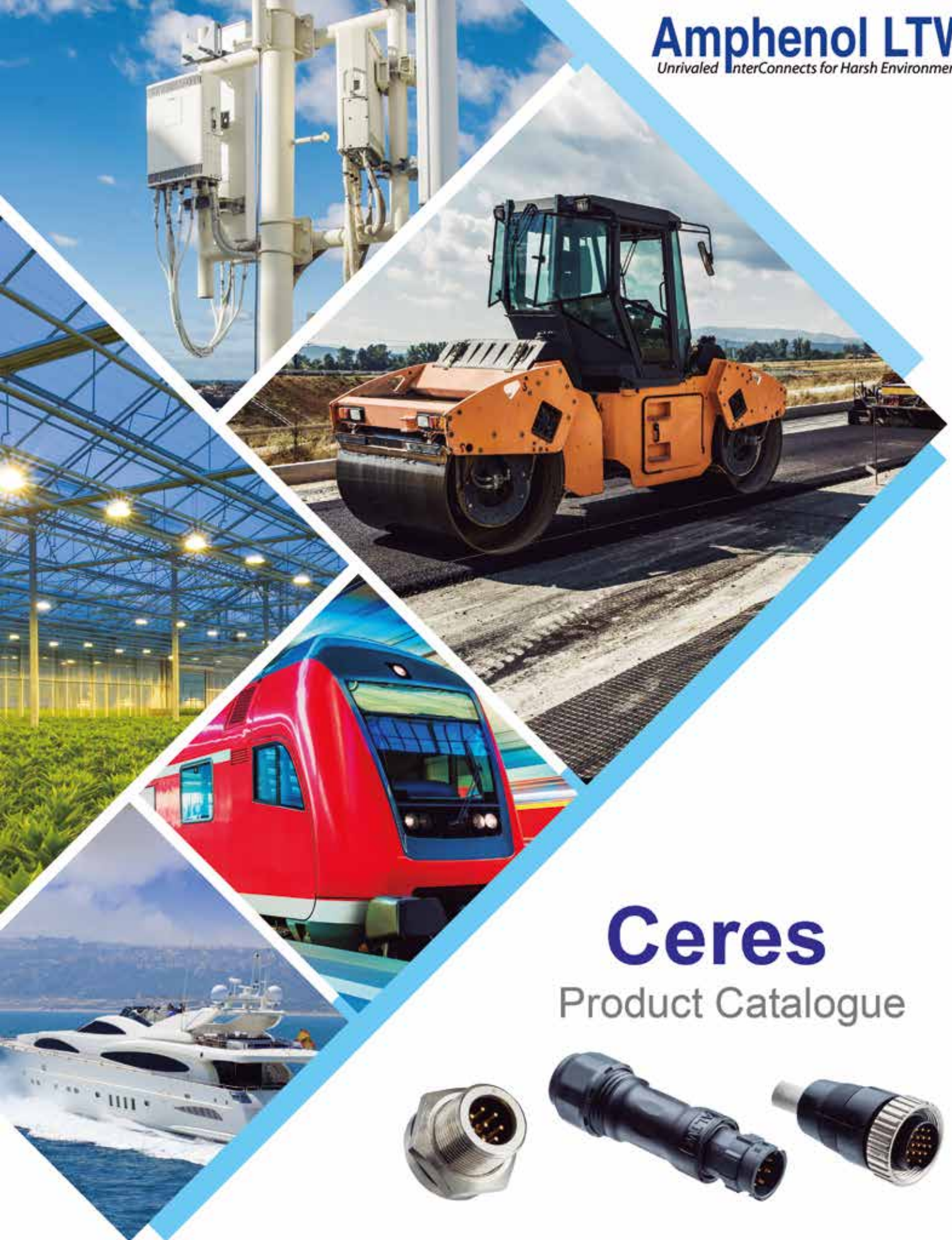




Ceres

Product Catalogue



- IP67 Mated Or Unmated
- Metal or Plastic
- Mating Style: 2 or 3 Points Lock Bayonet, Screw Thread, Push Lock
- Assembly Style: Solder, Screw-in, PCB 180°, PCB 90°, Crimp
- Power, Data / Signal, Hybrid
- Flammability UL 94V-0
- UV Resistant



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IP 67



Corrosion
Resistant



High Mating
Durability



UV
Resistant



UL
Recognized

PRODUCT SELECTION GUIDE

Circular (Ceres, X-Lok, M)

	Mating Style						Materials	No. of Contacts	Contacts		Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	High Speed		Salt Spray (Connector, Mated)
	2 Points Lock	3 Points Lock	Push Lock	Push Pull	Screw Thread	Others			Gold Plated	Silver Plated					Cat. 5e	Cat. 6A	
Ceres Series																	
Mini	•				•		B	2-6	•		250V	2A-5A 2A-10A	26-24	2,000			500h
Standard	•				•		B	2-12	•		250-600V	5A+2A 10A+5A	26-20	2,000			500h
Middle	•	•			•		P	2-18	•	•	250-600V	2A-20A 5A+2A 10A+2A 10A+5A	24-14	2,000			500h
Large	•				•		B	2-22	•	•	250-600V	2A-20A 20A+2A 20A+5A	26-16	2,000			500h
Macro	•						P	31	•		200V	5A	26	2,000			500h
PLD			•				P	2-4	•		250V	5A	26-20	2,000			500h
MAB	•						P	4	•		250V	10A	20	2,000			500h
GBD		•					P	8	•		250V	10A+5A	24-20	2,000			500h
X-LOK Series																	
Mini / LED			•				B	2-33	•		30-630V	0.5A-16A 5A-10A	32-14	1,000	•	•	500h
Standard			•				P	2-8	•		300-600V	5A-10A 10A+5A	26-16	1,000			500h
Middle			•				P	2-12	•	•	300-600V	5A-20A 10A+5A	26-12	1,000			500h
Large			•				B	2-100	•	•	60V (0.5A) 300-600V	0.5A-20A 20A+5A 50A	32-26	1,000			500h
Macro			•				P	4-31	•	•	300-600V	50A+5A	22-8	1,000			500h
M Series																	
M5					•		M	3-4	•		60V	1A	26	1,000			48h
Guided M8 / LED					•	Snap-in	B	2-6	•		30-60V	1.5A-3A 3A+1.5A	24-22	1,000			48h
M8 / LED					•	Snap-in	B	3-13	•		30-60V	0.5A-3A	32-22	1,000			48h
M10.5					•		M	2-5	•		30V	2A	24	1,000			48h
M12 A / LED				•	•		B	3-28	•		30-250V	0.5A-4A	30-22	1,000	•		48h
M12 B / LED				•	•		B	5	•		60V	4A	26-22	1,000			48h
M12 D / LED				•	•		B	4	•		250V	4A	26-22	1,000	•		48h
M12 I				•	•		B	5	•		60V	4A	22	1,000			48h
M12 K / LED				•	•		B	3-5	•		630V	12A, 16A	14	1,000			48h
M12 L / LED				•	•		B	2-5	•		63V	16A	14	1,000			48h
M12 M / LED				•	•		B	3-6	•		630V	8A	16	1,000			48h
M12 S				•	•		B	3-4	•		630V	12A	16	1,000			48h
M12 T				•	•		B	2-4	•		63V	12A	16	1,000			48h
M12 X				•	•		M	8	•		30-60V	0.5A	26	1,000		•	48h
M23					•		M	6	•		600V	28A	14-12	1,000			48h

Remarks:

Materials: P (Plastic), M (Metal), B (Both)

Assemble Style: R0 (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)

Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm

Operation Temperature & IP Rating: R0 (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

Circular (FLOS, Power, RBL, DeepTronica)

	Mating Style						Materials	No. of Contacs	Contacts		Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	Salt Spray (Connector, Mated)
	2 Points Lock	3 Points Lock	Push Lock	Push Pull	Screw Thread	Others			Gold Plated	Silver Plated					
FLOS Series															
B				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	144h
K				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	144h
K (FLOS+)				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	1000h
C				•			M	2-19	•		160-700V	1.5A-20A	28-16	3,000	144h
S				•			M	1	•		260-1000V	15A	28-16	3,000	144h
Y				•		Break Away	M	2-26	•		260-1000V	5A-14A	28-16	5,000	96h
P				•			P	2-14	•		200-400V	2A-10A	28-16	2,000	
N				•			M	2-19	•		200-800V	5A-22A	28-16	3,000	144h
Power Series															
PWE					•		P	5-7	•		277V	8A	20-17	500	500h
PWF					•		P	2-4	•		277V	12A	18-15	500	500h
PWG					•		P	4	•		277V	16A	18-14	500	500h
PWC	•	•					P	3	•		277V	20A	14-12	500	500h
PWCU	•	•					P	4 & 12	•		277V	20A+2A	14-12, 24-22	500	500h
PWH		•			•		P	3, 5	•		660V (AC) 1000V (DC)	25A	12	500	500h
PWL		•					P	3	•		300V	30A	14-8	500	500h
PWM		•					P	2	•		600V	50A	9-8	500	720h
PWMU		•					P	2+2, 2+4	•		600V	50A+2A	9-8, 22-20	500	720h
PWN		•					P	2	•		600V	70A	8-6	500	720h
PWNU		•					P	2+2, 2+4	•		600V	70A + 2A	8-6, 22-20	500	720h
PWP		•					P	2 & 3	•		600V	80A	4	500	720h
PWPD		•					P	2+2, 2+4, 3+2, 3+4	•		600V	80A+5A	4, 20	500	720h
PWX		•					P	9 (30A) 14 (30A+5A) 5 (50A) 12 (50A+5A) 4 (80A) 7 (80A+5A)	•		300-600V	30A, 30A+5A 50A, 50A+5A 80A, 80A+5A	22-20, 14-8, 9-8, 4	500	720h
RBL Series															
Middle			With Latch				P	2-9	•		300V	5A-10A 10A+5A	20-16	250	48h
Large			With Latch				P	2-18	•		300V	5A-20A 20A+5A	24-12	250	48h
DeepTronica															
Bathypelagic (4,000 m)				•			B								
Abyssopelagic (6,000 m)				•			B	1-27			200V-1000V	2A-50A	22-8	500-1,000	1000h
Hadopelagic (11,000 m)				•			B								

Remarks:

Materials: P (Plastic), M (Metal), B (Both)

Assemble Style: RO (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)

Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm

Operation Temperature & IP Rating: RO (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

(R0) Receptacle					RW	(FI) Field Installable					OC	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
Solder	Crimp	Screw In	PCB 180	PCB 90		Solder	Crimp	Screw In	Push In	IDC									
•			•	•		•	•				•		•	(2)	•	•		IP50 (Mated)	◦ R0: -40°C - 125°C ◦ OC: -20°C - 85°C ◦ FI: -40°C - 125°C
•			•	•		•	•				•		•	(2)	•	•		IP68 (Mated)	
•			•	•		•	•				•		•	(2)	•	•		R0: IP68 (Unmated) OC: IP68 (Mated) FI: IP68 (Mated)	
•			•	•		•	•				•		•	(2)	•	•		IP68 (Mated)	
•			•	•		•	•				•		•	(2)	•	•		IP50 (Mated)	
•			•	•		•	•				•		•	(2)	•	•		IP68 (Mated)	
•			•	•		•	•				•	•	•	(2)		•		IP50 / IP66 (Mated)	
•			•	•		•	•				•		•	(2)	•	•		IP68 (Mated)	
•						•					•		94-HB	(2)		•	UL1977	IP67 / IP68	◦ R0: -40°C - 105°C ◦ OC: -20°C ~ 80°C ◦ FI: -40°C ~ 105°C
•						•					•		94-HB	(2)		•	UL1977, TUV	IP67 / IP68	
		•						•			•		•	(2)		*	UL1977	IP67 / IP68	
•						•		•			•	•	•	(2)		•	UL1977, TUV	IP67 / IP68	
•						•					•	•	•	(2)		•	UL1977, TUV	IP67 / IP68	
	•	•					•	•			•	•	•	(2)		•	UL1977, UL6703A, TUV	IP67 / IP68	
•								•				•	•	(2)		•	UL2238	IP67 / IP68	
•								•				•	•	(2)		•	UL1977	IP67 (Mated)	
•								•				•	•	(2)		•	UL1977	IP67 (Mated)	
•								•				•	•	(2)		•	UL1977	IP67 (Mated)	
	•						•					•	•	(2)		•	UL1977	IP67 (Mated)	
	•						•					•	•	(2)		•	UL1977	IP67 (Mated)	
							•					•	•			•	UL1977	IP69K (Mated)	
					•		•				•	•	•	(2)		•	UL1977	RW: IP68 (Unmated) OC: IP68 (Mated) FI: IP67 (Mated)	◦ RW: -40°C ~ 105°C ◦ OC: -20°C ~ 80°C, Data: -20°C ~ 80°C Power: -20°C ~ 105°C Hybrid: -40°C ~ 105°C ◦ FI: -40°C ~ 105°C
					•		•				•	*	•	(2)		•			
					•						•					•		Deep Mating: 300 ~ 800 bar	◦ Air: -40°C - 90°C ◦ Water: -4°C ~ 60°C
					•						•					•			
					•						•					•			

PRODUCT SELECTION GUIDE

Circular (HS-Lok, NMEA 2000, Mini, Heavy Duty Shielded)

	Mating Style						Materials	No. of Contacts	Contacts		Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	Salt Spray (Connector, Mated)
	2 Points Lock	3 Points Lock	Push Lock	Push Pull	Screw Thread	Others			Gold Plated	Silver Plated					
HS-Lok Series															
Q8				•			B	2-6	•		100V (DC), 300V, 300V (AC) + 100V (DC)	2A 5A 5A+2A	24-20	2,000	500h
NMEA 2000															
Lite (Micro)				•	•		B	5	•		60V	4A	16*1P+20*1P 18*1P+22*1P 22*1P+24*1P	Push Pull 500, Screw Thread 1,000	Metal: 48h Plastic: 1,000h
Heavy (Mini)					•		M	4-5	•		600V	8A	15*1P+18*1P 16*1P+18*1P	1,000	
7/8" Mini															
7/8" Mini					•		M	2, 2+PE, 4, 4+PE, 6	•		600V	8A-13A	16	1,000	48h
Heavy Duty Shielded															
Heavy Duty Shielded					*		M	2-14	•		50-300V	5A-40A	22-8	1,000	48h / 500h

Remarks:

Materials: P (Plastic), M (Metal), B (Both)

Assemble Style: R0 (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)

Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm

Operation Temperature & IP Rating: R0 (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

(R0) Receptacle			RW	(FI) Field Installable				OC	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
Solder	PCB 180	PCB 90		Solder	Crimp	Screw In	Push In	IDC								
•				•				•	•	•	(2)		•	UL2238, UL50e	R0: IP68 (Unmated) OC: IP68 (Mated) FI: IP68 (Mated)	◦ R0: -40°C - 105°C ◦ OC: -40°C - 105°C ◦ FI: -40°C - 105°C
•	•		•	•		•	•	•		•	(1)	•	•	NMEA 2000	R0: IP68 (Unmated) RW: IP68 (Unmated) OC: IP68 (Mated) FI: IP67 (Mated)	◦ R0: -40°C - 105°C ◦ RW: -20°C - 85°C ◦ OC: -20°C - 85°C ◦ FI: -40°C - 105°C
•	•					•	•	•		94-HB	(1)	•	•	NMEA 2000		
•	•		•	•	•	•		•		•	(1)		•		R0: IP68 (Unmated) RW: IP68 (Unmated) OC: IP68 (Mated) FI: IP67 (Mated)	◦ R0: -40°C - 105°C ◦ OC: -40°C - 105°C ◦ FI: -40°C - 105°C
•				•				•	•	94-HB	(1)	•	•		R0: IP68 (Unmated) OC: IP68 (Mated) FI: IP68 (Mated)	◦ R0: -40°C - 105°C ◦ RW: -20°C - 85°C ◦ OC: -20°C - 85°C ◦ FI: -40°C - 105°C

PRODUCT SELECTION GUIDE

Other IO (RJ45, USB, D-Sub, SSL, HDMI, DVI)

	Mating Style					Materials	No. of Contacts	Gold Plated	Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	High Speed	
	2 Points Lock	3 Points Lock	Push Lock	Screw Thread	Others								Cat. 5e	Cat. 6A
RJ45 Series														
Middle		•		•		B	8		44-57V (DC)	Max. 1.5A	24	750	•	•
Large / I-Adaptor	•	•		•		P	8		44-57V (DC)	Max. 1.5A	24	750	•	
ODVA	•					P	8		44-57V (DC)	Max. 1.5A	24	750	•	
Self-Closing Cover						P	8		44-57V (DC)	Max. 1.5A		750	•	•
USB Series														
Mini USB Type B				•		P		•	30V	1.5A	28*1P + 28*3C	5,000		
Type A	•			•		B		•	30V	USB 2.0: 1.5A USB 3.2Gen1:	28*1P + 24*2C	1,500		
Type B	•			•		B		•	30V	USB 2.0: 1.5A	28*1P + 24*2C	1,500		
Micro USB Swift						M		•	30V (AC) 5V (DC)	1 & 5 Pin: 1.8A 2, 3 & 4 Pin: 1A		10,000		
Micro USB Swift-MU					Snap-in	P		•	30V (AC) 5V (DC)	1 & 5 Pin: 1.8A 2, 3 & 4 Pin: 1A	28	10,000		
Type C Swift-LP						M		•	30V (DC)	Up To 5A	32*1P + 24*1C + 28*1D	10,000		
Type C Swift-LA					Snap-in	P		•	30V (DC)	Up To 3A	32*1P + 24*1C + 28*1D	10,000		
Type C Swift-GG				•		B		•	30V (DC)	Up To 5A	32*1P + 24*1C + 28*1D	10,000		
Type C Swift-XL			•			P		•	30V (DC)	Up To 3A	32*1P + 24*1C + 28*1D	10,000		
D-SUB Series														
Standard				•	Automated Latch	M	9, 15, 25, 37, 50*	•	125V (DC)	5A	24	500		
High Density				•	Automated Latch	M	15, 26, 44, 62*, 78*	•	125V (DC)	2A	26	500		
SSL Series														
SSL1.1			•			P	2-6	•	100V	3A	22	100		
SSL1.2			•			P	2-4	•	250V	5A	22-18	30		
SSL1.3						P	1	•	500V	5A		10		
SSL2.1						P	2	•	600V	12A		20		
SSL2.3						P	2	•	500V	3A		100		
HDMI Series														
Circular				•		P	19	•	30V (AC)	0.5A	26	500		
Rectangular			•		With Latch	P	19	•	30V (AC)	0.5A	26	500		
Mini-HDMI				•		P	19	•	30V (AC)	0.5A	30	500		
DVI Series														
DDD						M	25	•	40V (AC)	1.5A	28	100		
DDS						M	19	•	40V (AC)	1.5A	28	100		
DID						M	29	•	40V (AC)	1.5A	28	100		
DIS						M	23	•	40V (AC)	1.5A	28	100		

Remarks:

Materials: P (Plastic), M (Metal), B (Both)

Assemble Style: R0 (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)

Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm

Operation Temperature & IP Rating: R0 (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

High Speed			Salt Spray (Connector, Mated)	R0	RW	RP	OC	FI	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Standard / Compliant / Certifications	Operating Temperature & IP Rating
USB 2.0	USB 3.2 Gen1	USB 3.2 Gen2													
			48h	PCB 90 & 180, Jack 90 & 180		•	•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	◦ R0 : -40°C - 105°C, IP67 (Unmated)
			48h	PCB180, Jack 90 & 180		•	•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	◦ RP : -20°C - 85°C, IP67 (Unmated) ◦ OC : -20°C - 85°C, IP67P (Mated) ◦ FI : -40°C - 105°C, IP67 (Mated)
			48h	Jack 180		•	•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	
			48h	•					•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	-40°C - 105°C, IP67 (Unmated)
•			48h	•	•			•		94V-HB	(2)	•	•		◦ R0 : -40°C - 105°C, IP67 (Unmated)
•	•		48h	Type 1 & 2, Jack, PCB 180	•			Solder		•	(2)	•	•		◦ RW : -20°C - 85°C, IP67 (Unmated)
•			48h	Type 1 & 2, Jack, PCB 180	•			Solder		•	(2)	•	•		◦ OC : -20°C - 85°C, IP67P (Mated) ◦ FI : -40°C - 105°C, IP67 (Mated)
•			48h	•						•	(2)	•	•		-30°C - 80°C, IP67/IP68 (Unmated)
•			48h					•		•	(2)	•	•		-40°C - 80°C, IP67 (Mated)
		•	48h	•						•	(2)	•	•		-40°C - 85°C, IP67 (Unmated)
•	•		48h	•				•		•	(2)	•	•		◦ R0 : -40°C - 85°C, IP68 (Unmated) ◦ OC : -20°C - 85°C, IP67 (Mated)
	•	•	48h	•				•		•	(2)	•	•		◦ R0 : -40°C - 85°C, IP67 (Unmated) ◦ OC : -20°C - 85°C, IP67 (Mated)
	•		48h					•		•	(2)	•	•		◦ OC : -20°C - 85°C, IP68 (Mated)
			8h	Solder, PCB 90& 180				• Solder, Crimp			(2)	•	•		◦ R0 : -40°C - 105°C, IP68 (Unmated)
			8h	Solder, PCB 90& 180				• Solder, Crimp			(2)	•	•		◦ OC : -20°C - 85°C, IP67P (Mated) ◦ FI : -40°C - 105°C, IP67 (Mated)
				•				•		•	(2)		•	CSA C22.2, UL1977	-40°C - 105°C, Non-IP
				•				•		•	(2)		•	CSA C22.2, UL1977, cUL UL2238+UL50e	-40°C - 105°C, IP68 (Mated)
				•						•	(2)		•	CSA, UL1977	-40°C - 105°C, Non-IP
				•						•	(2)		•	CSA, UL1977	-40°C - 105°C, Non-IP
										•	(2)		•		-40°C - 105°C, Non-IP
			48h	•				•		94V-HB	(2)	•	•		◦ R0 : -20°C - 85°C, IP67 (Unmated)
			48h	•				•		94V-1	(2)	•	•		◦ OC : -20°C - 85°C, IP67P (Mated)
			48h	•				•		•	(2)	•	•		
			8h	•				•			(2)		•		◦ R0 : -40°C - 105°C, IP68 (Unmated)
			8h	•				•			(2)		•		◦ OC : -20°C - 85°C, IP67P (Mated)
			8h	•				•			(2)		•		
			8h	•				•			(2)		•		

PRODUCT SELECTION GUIDE

Other IO (Fiber, ZConnect, RF)

	Mating Style					Materials	No. of Contacs	Gold Plated	Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	High Speed	
	2 Points Lock	3 Points Lock	Push Lock	Screw Thread	Others								Cat. 5e	Cat. 6A
Fiber Optic Series														
LC		•												
SC		•												
ZConnect Series														
FPC / FFC / WTB					Quick Plug	B	40, 36, 20, 18, 12	•	120V	1A		10		
RF Series														
SMA Type				•		M	1	•	335 Volts RMS At Sea Level		1.13mm, 1.32mm, 1.37mm, RG178	500		
N Type				•		M	1	•	1,000 Volts RMS At Sea Level		1.13mm, 1.32mm, 1.37mm, RG142, RG178. G58 A/U	500		

Other (Cable Joiner, Cable Gland, Protective Vent, LED)

	Mating Style		Materials	No. of Contacts	Contacts				Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Salt Spray (Connector, Mated)	Receptacle
	Push Lock With Latch	Screw Thread			Gold Plated	Nickel Plated	Thermo plastic	SUS316L					
Cable Joiner Series													
M20		•	P	None, 4	•					10A	22-16		
M32	•		P	None, 4	•					15A-30A	16-10		
FICX I Tube (11)		•	P	2-5		•			450V (Non-UL) 600V (UL)	10A-30A	20-12		
FICX I Tube (12)		•	P	2-5		•			450V (Non-UL) 600V (UL)	8A-20A	18-12		
FICX XI Tube (13)		•	P	2-5		•			450V (Non-UL) 600V (UL)	8A-20A	18-12		
FICX T Tube (T2)		•	P	2-5		•			450V (Non-UL) 600V (UL)	10A-20A	20-12		
Cable Gland Series													
Cable Gland		•	B										•
Protective Vent													
M6 Plastic		•	P				•					1,000h	•
M12 Snap-in		•	P				•					1,000h	•
M12 Stainless		•	M					•				1,000h	•
M12 Plastic		•	P				•					1,000h	•
M12 Metal		•	M			•						48h	•
LED Light Guide													
Ø3mm			B				•		4V				•
Ø5mm			M				•		4V				•

Remarks:
Materials: P (Plastic), M (Metal), B (Both)
Assemble Style: R0 (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)
Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm
Operation Temperature & IP Rating: R0 (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

High Speed			Salt Spray (Connector, Mated)	R0	RW	RP	OC	FI	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Standard / Compliant / Certifications	Operating Temperature & IP Rating
USB 2.0	USB 3.2 Gen1	USB 3.2 Gen2													
			48h	•				•	•	•			•		-40°C - 105°C, IP67 (Mated)
			48h	•				•	•	•			•		-40°C - 105°C, IP67 (Mated)
			48h							•			•		-40°C - 110°C, Non-IP
			48h	•								•	•	MIL-C-39012	-40°C - 105°C, IP68 (Unmated)
			48h	•								•	•	MIL-C-39012	-40°C - 105°C, IP68 (Unmated)

Field Installable	UV Resistant	UL 94V-0	Vibration	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
•	•	94V-2		•		IP67	-40°C - 105°C
•	•	•		•	UL6703A	IP67	-40°C - 105°C
•	•	•		•	CSA, UL2238, UL50e	IP68 (Mated)	-40°C - 105°C
•	•	•		•	CSA, UL2238, UL50e	IP68 (Mated)	-40°C - 105°C
•	•	•		•	CSA, UL2238, UL50e	IP68 (Mated)	-40°C - 105°C
•	•	•		•	CSA, UL2238, UL50e	IP68 (Mated)	-40°C - 105°C
•		94V-0 94V-2	(2)	•		IP67 (Mated) IP68 (Mated)	• R0 : -20°C - 105°C • FI : -20°C - 105°C
	•	•		•		IP66, IP68	-40°C - 125°C
	•	•		•		IP68, IP69K	-40°C - 125°C
	•	•		•		IP68, IP69K	-40°C - 125°C
	•	•		•		IP68, IP69K	-40°C - 125°C
	•	•		•		IP68, IP69K	-40°C - 125°C
						IP67	• Red & Green : -30°C - 80°C • Others : -40°C - 80°C
						IP67	• Red & Green : -30°C - 80°C • Others : -40°C - 80°C

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	Deep Tronica	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
LED Lighting																								
Architectural Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
Outdoor LED Displays	•	•	•	•	•	•				•		•		•				•		•	•	•		
Outdoor Signage	•	•			•	•				•		•		•				•		•	•	•		
Entertainment Lighting & Systems	•	•			•	•		•		•		•		•				•		•	•	•		
Smart City, Street Lighting	•	•			•	•				•		•		•				•		•	•	•		
Tunnel Lighting	•	•	•		•	•				•		•		•				•		•	•	•		
Parking Lighting	•	•			•	•		•		•		•		•				•		•	•	•		
Cruise & Shipyards Lighting	•	•	•		•	•		•	•	•		•		•				•		•	•	•		
High Speed Train & EV Bus	•	•			•	•		•		•	•	•		•				•		•	•	•		
Commercial Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
Refrigeration Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
Horticulture Lighting	•	•	•		•	•				•		•		•				•		•	•	•		
Warehouse Lighting	•	•			•	•				•		•		•				•		•	•	•		
Emergency Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
UV and Sanitary Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
Li-Fi	•	•			•	•						•		•				•	•	•	•	•		
Hospital Surgical Lighting & Room	•	•	•		•	•		•		•		•		•				•		•	•	•		
ATEX Lighting	•	•			•	•		•						•				•		•	•	•		
Underwater / Submerged Lighting	•	•			•	•								•				•				•		
Marine																								
Multi-Function Display	•	•	•	•	•	•			•	•	•	•	•			•	•	•	•		•	•	•	•
Outboard Motors	•	•	•		•	•			•	•	•	•	•					•			•			
Bilge Pump	•	•	•		•	•			•	•	•	•	•					•			•			
Heater	•	•	•		•	•		•	•	•	•	•	•					•		•	•	•		
HVAC (Heating Ventilation Air Conditioning)	•	•	•		•	•		•	•	•	•	•	•					•		•	•	•		
Fridge	•	•	•		•	•		•	•	•	•	•	•					•			•			
Docking System	•	•	•		•	•	•		•	•	•	•	•					•			•			
Windlass	•	•	•		•	•			•	•	•	•	•					•			•			
Sensors	•	•	•		•	•			•	•	•	•	•					•			•			
RADAR	•	•	•		•	•		•	•	•	•	•	•					•	•		•			
Antenna	•	•	•		•	•		•	•	•	•	•	•					•	•		•			
USB Charger	•	•	•		•	•		•	•	•	•	•	•					•		•	•	•		
Audio System	•	•	•		•	•		•	•	•	•	•	•					•		•	•	•		
Lighting System	•	•	•		•	•		•	•	•	•	•	•	•	•			•		•	•	•		•
CCTV	•	•	•		•	•		•	•	•	•	•	•					•			•			
Power Controller	•	•	•		•	•			•	•	•	•	•					•		•	•	•		•
Autopilot System	•	•	•		•	•			•	•	•	•	•					•	•		•	•		•
Automatic Identification System	•	•	•		•	•		•	•	•	•	•	•					•	•		•	•		•
GPS, Beacon & Lifebuoy	•	•	•		•	•		•	•	•	•	•	•					•	•		•	•		
Sonar / Transducer	•	•	•						•									•						
Fish-Finders	•	•	•						•	•	•	•	•					•						
Chartplotter	•	•	•						•	•	•	•	•					•						•
Sailing Instruments	•	•	•						•	•	•	•	•					•			•			•
Shipyards & Cruise	•	•	•						•	•	•	•	•					•			•			•
Drilling Systems							•																	
Seaport							•																	
Submarine							•																	
ROVs							•																	
Marine Renewable Energy							•																	
ROTV							•																	
Buoys							•																	
Underwater Vehicles							•																	
Underwater Equipment							•																	
Diving							•																	
Broadband Wireless Access																								
General Small Cells	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•	•	•
RRH (Remote Radio Head)	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•		
Wireless Mobile Backhaul	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•		
High Capacity Mobile Subscriber Unit	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•	•	
Outdoor Base Station Unit	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•	•	
Outdoor LTE	•	•			•	•		•		•	•	•	•				•	•	•	•	•	•	•	
Outdoor AP	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•	•	•
Subscriber Station	•	•			•	•		•		•	•	•	•				•	•	•	•	•	•	•	
Outdoor Wireless Mesh Router	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•	•	
Base Station Power Supply	•	•		•	•	•		•		•	•						•	•	•	•	•	•	•	
Communication System															•		•							
Outdoor Wireless Mesh Router	•	•			•	•		•		•	•	•	•				•	•	•	•	•	•	•	

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	Deep Tronica	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
Industrial Automation																								
Robotic Arm			•	•				•		•	•							•						
Industrial Server / Network	•	•	•	•	•			•		•	•	•	•		•	•	•	•	•			•	•	•
Industrial Forklifts (Truck)	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•		•
AVI (Automatic visual inspection)	•	•	•	•	•			•		•	•							•						
Data Communication System	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•	•	•
Industrial Control Center	•	•	•	•	•	•		•		•	•	•	•		•	•		•				•	•	•
Packaging Center	•	•	•	•	•			•		•	•							•						
Conveyors	•	•	•	•	•			•		•	•							•						
Sensors			•							•	•							•						
Power Distribution	•	•	•	•	•	•				•	•							•						
Actuators	•	•	•							•	•							•						
Motor Drives	•	•	•		•	•				•	•							•						
Industrial PC & Displays	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•	•	•
Machine Tools	•	•	•	•	•	•				•	•							•						
Switches		•	•							•	•	•	•					•						•
Production Equipment	•	•	•	•	•	•				•	•	•	•					•				•	•	•
Renewable Energy																								
PV / DC Inverter	•	•	•		•	•				•	•	•						•		•	•	•	•	
Micro Inverter										•	•							•			•	•	•	
CSP & CPV	•	•	•		•	•				•	•							•			•	•	•	
Heliostat	•	•	•		•	•				•	•							•			•	•	•	
PV Trackers	•	•	•		•	•				•	•							•			•	•	•	
PV ICS (Integrated Control Systems)					•	•				•	•	•						•			•		•	
Portable Energy	•	•	•		•	•		•		•	•	•	•					•						
Communication System	•	•	•	•	•	•				•	•	•	•		•	•	•	•	•		•	•	•	•
PDC (Power Distribution Control)	•	•	•	•	•	•				•	•	•						•	•		•	•	•	•
Wind Turbine	•	•	•	•	•	•				•	•	•						•			•	•	•	•
Energy Storage System	•	•	•		•	•				•	•	•						•			•	•	•	•
Tidal Power Generation System	•	•	•	•	•	•				•	•	•						•			•	•	•	•
Heavy Equipment																								
Electronic Toll System	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•		•
Automotive Diagnostics	•	•	•	•	•	•		•		•	•	•	•	•	•	•		•	•			•	•	
Agriculture Electronic Equipment	•	•	•	•	•	•		•		•	•	•	•	•	•	•		•	•		•	•		•
Lidar & Radar	•	•	•	•	•					•	•	•	•		•	•		•						
ADAS (Advanced Driver Assistance Systems)	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•		•
Telematics & Tracking	•	•	•		•	•		•		•	•	•	•		•	•		•	•	•	•	•	•	•
Camera & Monitoring	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•		•
Control System	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•		•
Display	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•		•
GPS System	•	•	•	•	•	•		•		•	•	•	•					•	•		•	•		
Lighting	•	•	•		•	•				•	•			•				•		•	•			
Measurement Systems	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•		•
Sensors		•	•	•	•			•		•	•							•						
Automated Meter Reading																								
Water Meter	•	•	•	•				•				•	•					•	•		•	•	•	
Electricity Meter	•	•	•	•				•				•	•					•	•		•	•	•	
Gas Meter	•	•	•	•				•				•	•					•	•		•	•	•	
Alarm System	•	•	•	•				•				•	•					•	•		•	•	•	
Military Drone	•	•	•	•				•										•	•		•	•	•	
Vehicle Tracking	•	•	•	•				•				•	•					•	•		•	•	•	
Telemetry	•	•	•	•				•				•	•					•	•		•	•	•	
Sewage	•	•	•	•	•	•		•				•	•					•	•		•	•	•	
Rugged IT																								
Telemetry		•	•	•				•				•						•	•		•	•		
Rugged & Military VR and AR		•	•	•				•					•					•	•		•			
Rugged Notebook				•								•	•		•	•		•	•					•
Night Vision Goggle			•	•				•				•						•						
Miniature Camera												•						•	•					
Rugged Tablet												•		•	•			•	•					
Communication Devices				•								•	•		•	•		•	•				•	•

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	Deep Tronica	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
Test Equipments																								
Air Flow Measurement	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Gas Detectors	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Precision Surveying	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•		•
Earthquake Monitoring	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Humidity Measurement	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Leak Detectors	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Light Measuring	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Sound Measuring	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Water Measurement	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Weighing Devices	•	•	•	•	•	•		•		•	•	•	•					•	•		•	•		
Weigh Modules	•	•	•	•	•	•		•		•	•	•	•					•	•		•	•		
Heavy-duty Scales	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•		•
Floor Scales	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•		•
Wet Area Weighing	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Dosing Systems	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
In-Motion Weighing	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Borescope	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Image Measurement	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Timers / Timer Display	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Laser Marking System	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Digital Microscopes	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Hybrid Electric Vehicles																								
Electric Wheelchair	•	•	•	•	•	•		•		•	•							•						
Electrical and Electronic Speed Control	•	•	•	•	•	•		•		•	•							•						
Electrical and Electronic Brake System	•	•	•	•	•	•		•		•	•							•						
Throttle Controller	•	•	•	•	•	•		•		•	•							•						
Battery Module	•	•	•	•	•	•				•	•	•	•	•				•				•	•	
Motor Module	•	•	•	•	•	•				•	•	•	•	•				•			•	•		
Gear Shift Module	•	•	•	•	•	•				•	•	•	•	•				•				•		
Controller Unit	•	•	•	•	•	•				•	•	•	•	•				•				•		
Charge Plug / Inlet	•	•	•	•	•	•				•	•	•	•	•				•				•		
Charging Station	•	•	•	•	•	•				•	•	•	•	•				•				•		
Home Charge Platform	•	•	•	•	•	•				•	•	•	•	•				•				•		
Hoverboard	•	•	•	•	•	•				•	•	•	•	•				•				•		
Electric Scooter	•	•	•	•	•	•		•		•	•							•			•			
Railway Mass Transit																								
Infotainment Systems	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•	•	•
In-Vehicle Information System	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•	•	•
Indication Display	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•	•	•
Navigation/GPS	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•					•
HVAC (Heating Ventilation Air Conditioning)	•	•	•	•	•	•		•		•	•	•						•						
Fuel Leakage Detector	•	•	•	•	•	•		•		•	•	•	•					•						
Broadcasting System	•	•	•	•	•	•		•		•	•	•	•					•			•			
Vehicle Monitoring	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•			•
Cleaning Control	•	•	•	•	•	•		•		•	•	•	•					•						
Speedometer	•	•	•	•	•	•		•		•	•							•						
Interior Lighting	•	•	•	•	•	•		•		•	•	•	•	•				•				•		
Mobile Devices																								
DRC (Drone Remote Controller)	•	•	•	•	•	•		•					•					•	•					
Altimeter	•	•	•	•	•	•		•					•					•	•					
Barcode Reader	•	•	•	•	•	•		•					•					•						
GPS Safety Guard		•											•					•	•					
Portable Lamp	•	•						•					•					•						
Gesture Measurement	•	•						•					•					•						
Wearables													•					•	•					

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	Deep Tronica	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
Transportation																								
Vehicle Camera	•	•	•	•		•		•					•		•			•			•	•		
Switch			•									•	•					•						•
Dome Vehicle Camera	•	•	•			•												•						
RFID Reader																		•	•					
Bus GPS	•	•	•	•		•		•				•	•		•	•		•	•					
Display	•	•	•	•		•												•						
Outdoor Speaker	•	•	•	•		•												•						
Automotive Winches																		•						
Vehicle Charger	•	•	•			•												•						
Wifi Router												•						•						
Fleet Management	•	•	•	•		•												•						
Digital Video Surveillance System	•	•	•	•	•	•				•	•	•						•					•	
Medical Equipment																								
Medical Displays				•	•							•	•		•	•		•				•		•
Mobile Nursing Carts	•	•			•	•		•		•	•							•			•	•		
Non-invasive Devices	•	•		•	•	•		•		•	•	•	•		•	•		•			•	•		•
Electrical Beds	•	•	•		•	•				•	•							•			•	•		
Charges	•	•			•	•				•	•							•			•	•		
Wheelchair Lift	•	•			•	•				•	•							•			•	•		
Wheelchair Stair Lift	•	•			•	•				•	•							•			•	•		
Rehabilitation System	•	•			•	•				•	•							•			•	•		
Automotive Diagnostics																								
Auto Crash Notification	•	•	•	•	•	•		•		•	•	•	•					•	•					•
Vehicle Tracking	•	•	•		•	•		•		•	•		•					•	•			•		
Vehicle Health Alert & Roadside Assistance	•	•	•	•	•	•		•		•	•	•	•					•	•					•
Remote Vehicle Diagnostics	•	•	•	•	•	•		•		•	•	•	•	•	•	•		•	•			•	•	•
UAV																								
Commercial Drone	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•	•	•
Military Drone	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•	•	•
Consumer Drone	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•	•	•
Lifts & Materials Handling																								
Forklift	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•	•	•
Industrial Lift	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•	•	•
Materials Handling	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•	•	•
Remote Video Response Center																								
Encoders	•	•	•	•	•			•		•	•	•	•		•	•		•	•			•	•	•
Monitoring Station	•	•	•		•	•				•	•	•	•		•	•		•			•			•
CCTV/Dome/IP Camera	•	•	•	•				•		•	•	•	•		•	•		•	•	•	•	•	•	•
Remote Control	•	•			•			•				•	•					•			•			
Junction Box	•	•			•							•	•		•	•		•			•	•		•
Automatic LPRS (License Plate Recognition System)	•	•	•	•	•			•		•	•	•	•		•	•		•	•	•	•	•	•	•
Fingerprint ID													•					•						
Alarm System	•	•	•	•	•			•				•	•		•	•		•	•	•	•	•	•	•
Sensor			•															•						
Autonomous																								
GPS	•	•	•	•				•		•	•	•	•		•	•		•	•					
Lidar	•	•	•	•				•		•	•	•	•		•			•			•	•		
Radar Sensors	•	•	•	•				•		•	•							•	•					
Video Cameras	•	•	•	•				•		•	•		•		•			•			•	•		
Central Computer	•	•	•	•				•		•	•	•	•		•			•						
Inertial Measurement Unit	•	•	•	•				•		•	•							•			•			
Inertial Navigation Systems	•	•	•	•				•		•	•							•	•		•			
Commercial Military																								
Commercial Military				•														•						

WE ARE AMPHENOL LTW

Founded in 1993, Amphenol LTW is a leader in rugged and harsh environment interconnects with the largest array of I/O and products ranging from IP65 to IP69K. The company continually provides innovative interconnect solutions for ever-demanding environments and is proactively committed to contributing to a safer and greener environment. Amphenol LTW features interconnects for technologically advanced products with environmentally friendly results.



AMPHENOL LTW TECHNOLOGY & CNC PLANT

- Headquarters: Taipei, Taiwan
- 150 Employees



110+

Amphenol
Division



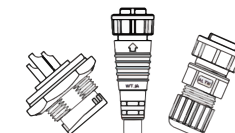
75+

Distribution
Channel



30+

Market
Applications



80,000+

Products



KUNSHAN AMPHENOL ZHENGRI ELECTRONICS

- Kunshan, China
- 400 Employees

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detailed information

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OUR CAPABILITIES

Both factories located in Taiwan and China are ISO9001:2015, ISO14001:2015, and UL certified. Our Test Laboratory is certified by TAF and is member of UL WTDP reliable partner. Wherever required, most of our products are TUV/VDE, UL/CSA certified. Thanks to our strict standards, we are able to contribute to your projects and design exactly what you need. From standard to customized products, Amphenol LTW has the right solutions for your applications.



Test Laboratory Accreditation

Quality Assurance

International Certifications



Automated Production Line

Capability: Contacts, Parts, and Shells

Number of Automatic Machines: 11

Production Capacity : 125,000 pins per day
(24 hours)

Number of CNC Machines: 33

Production Capacity : 125,000 pins per day
(24 hours)

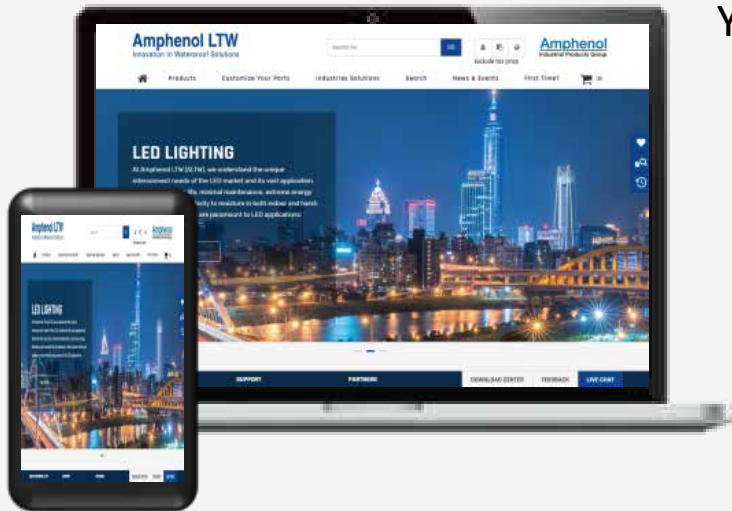


Kunshan Factory – Horizontal Injection Workshop

Molding Machines

Number of Machines: 17

Production Capacity : 3400pcs/hr



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General Catalog

Find All Product Range



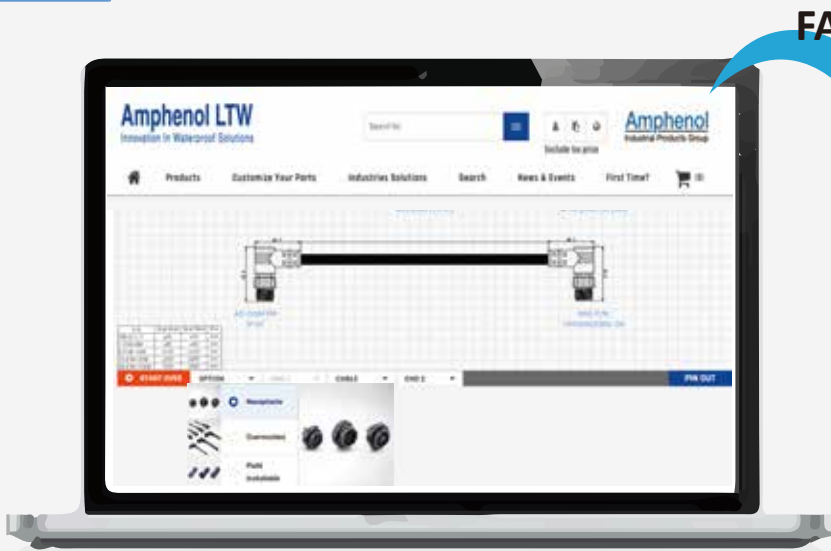
Catalogs by Series

All Market Applications



Market Flyer

Product guidance



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Benefits

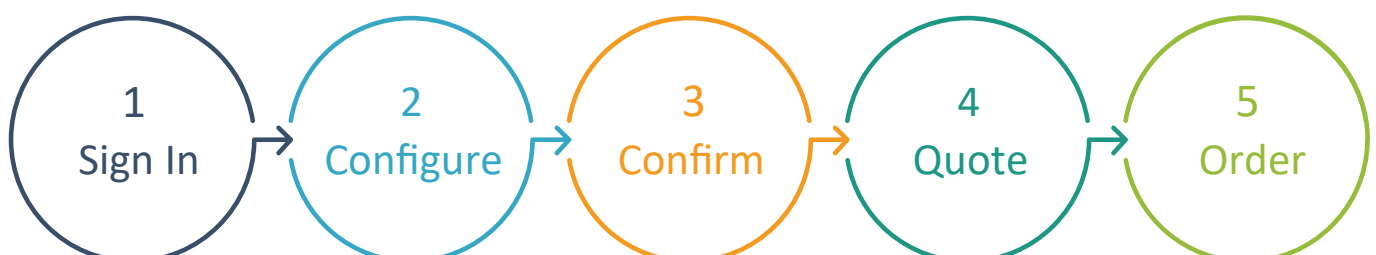
- ✓ Worldwide Access 24/7
- ✓ Easy & Quick Customization
- ✓ Real Time Order Tracking
- ✓ Online Assistance (Live Chat)
- ✓ Instant Drawing Release
- ✓ Instant quotation
- ✓ Order Online

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to our CTO platform

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Just A Few Simple Steps





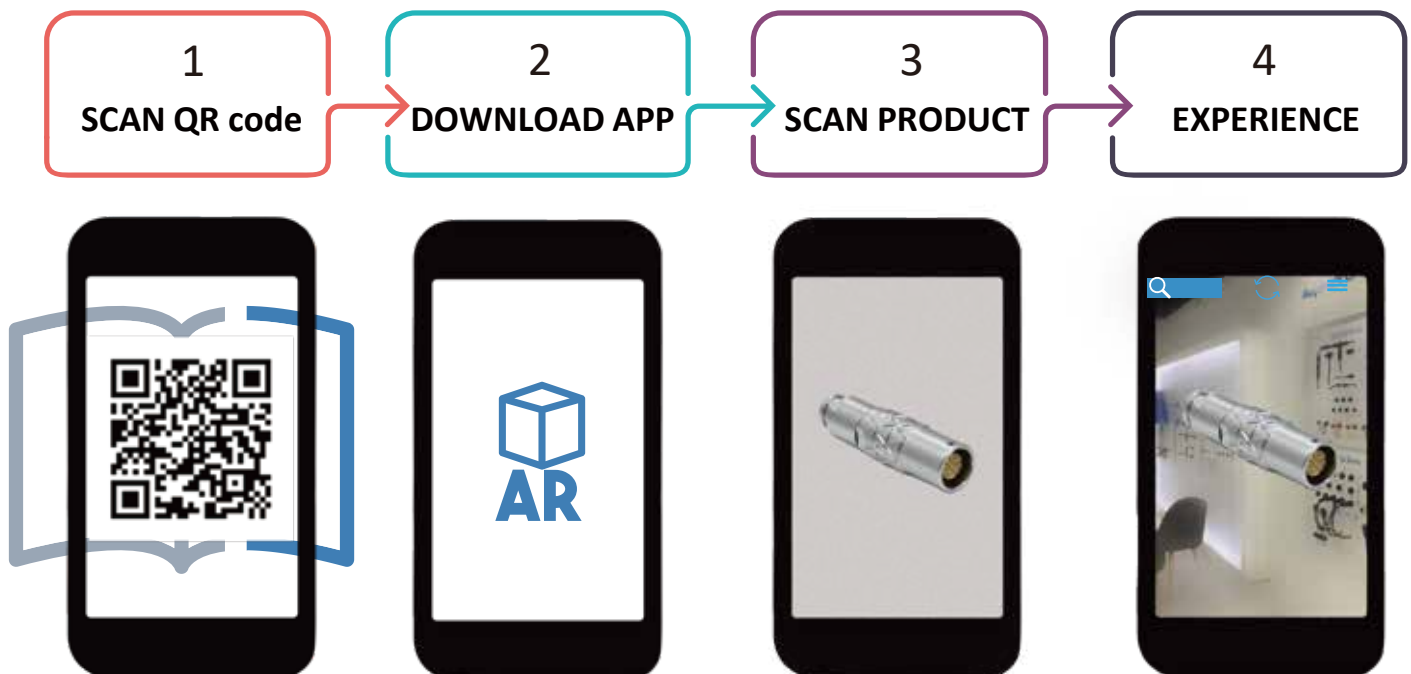
VISUALIZE OUR PRODUCTS

Augmented Reality (AR) is an interactive and unique technology that combines the virtual and real world.

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Try the AR experience now!

4 Easy Steps



Scan the QR Code and connect to the ALTW AR app

*Available 2022 Q1



iOS



Android

* For smartphones and tablets 

TECHNICAL SUPPORT



ASSISTANCE



AIPG WeChat (ID: AIPG2020)
安费诺工业展品集团
微信公众号: AIPG2020



88677416888

INFORMATION



FAQ

Find answers to frequently asked questions at
<https://www.amphenol.tw/>



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Marine

- AIS
- Audio System
- Autopilot System
- Bilge Pump
- Chartplotter
- Power Controller
- RADAR
- Multi-Function Display
- Sensors
- Shipyards & Cruise
- Sonar / Transducer
- USB Charger
- Windlass
- Docking System
- Fish-Finders
- Heater
- Lighting System
- Fridge & Refrigeration
- Outboard & Trolling Motors
- Sailing Instruments
- GPS, Beacon & Lifebuoy
- HVAC (Heating Ventilation Air Conditioning)
- IP and Infrared CCTV & Cameras



LED

- Outdoor LED Displays
- Outdoor Signage
- Parking Lighting
- Refrigeration Lighting
- Smart Street Lights
- ATEX Lighting
- Commercial Lighting
- Tunnel Lighting
- Architectural Lighting
- Emergency Lighting
- Horticulture Lighting
- Warehouse Lighting
- Cruise & Shipyards Lighting
- Li-Fi
- Underwater / Submerged Lighting
- UV and Sanitary Lighting
- Entertainment Lighting & Systems
- Hospital Surgical Lighting & Room
- Train, Bus, Plane & Recreational Vehicles Lighting



Industrial Automation

- Conveyors
- Industrial Control
- Industrial Forklifts
- Industrial Network
- Industrial PC & Displays
- Machine Tools
- Motor Drives
- Packaging
- Power
- Actuators
- AVI (Automatic visual inspection)
- Communication System
- Production Equipment



Broadband Wireless Access

- Outdoor LTE
- Outdoor Repeater
- Outdoor AP
- General Small Cells
- Subscriber Station
- RRH (Remote Radio Head)
- Wireless Mobile Backhaul
- Base Station Power Supply
- Outdoor Base Station Unit
- Outdoor Wireless Mesh Router
- High Capacity Mobile Subscriber Unit



Heavy Equipment

- Control System
- Display
- Electronic Toll System
- Lighting
- GPS System
- Telematics & Tracking
- Automotive Diagnostics
- Camera & Monitoring
- Agriculture Electronic Equipment
- Measurement Systems
- ADAS (Advanced Driver Assistance Systems)



Railway Mass Transit

- Broadcasting System
- Cleaning Control
- Fuel Leakage Detector
- Navigation / GPS
- Speedometer
- Infotainment Systems
- Interior Lighting
- In-Vehicle Information
- Vehicle Monitoring
- HVAC (Heating Ventilation Air Conditioning)
- Indication Display



Renewable Energy

- Communication System
- CSP & CPV
- DC Inverter
- Energy Storage System
- Heliostat
- Portable Energy
- PV Inverter
- PV Trackers
- Tidal Power Generation System
- Wind Turbine
- PDC (Power Distribution Control)



Hybrid Electric Vehicles

- Battery Module
- Charge Plug / Inlet
- Charging Station
- Controller Unit
- Electric Scooter
- Gear Shift Module
- Home Charge Platform
- Hoverboard
- Motor Module
- Throttle Controller
- Electric Wheelchair
- Electrical and Electronic Brake System
- Electrical and Electronic Speed Control



Medical Equipment

- Charges
- Electrical Beds
- Mobile Nursing Carts
- Non-invasive Devices
- Rehabilitation System
- Wheelchair Lift
- Wheelchair Stair Lift



Remote Video Response Center

- CCTV / Dome / IP Camera
- Encoders
- Junction Box
- Monitoring Station
- Remote Control
- Alarm System
- Automatic LPRS (License Plate Recognition System)



Test Equipment

- Air Flow Measurement
- Borescope
- Digital Microscopes
- Dosing Systems
- Earthquake Monitoring
- Floor Scales
- Gas Detectors
- Heavy-duty Scales
- Humidity Measurement
- Image Measurement
- In-Motion Weighing
- Laser Marking System
- Leak Detectors
- Light Measuring
- Precision Surveying
- Sound Measuring
- Timers / Timer Display
- Water Measurement
- Weigh Modules
- Weighing Devices
- Wet Area Weighing



Autonomous

- Central Computer
- GPS
- Inertial Measurement Unit
- Inertial Navigation Systems
- Lidar
- Radar Sensors
- Video Cameras



UAV

- Commercial Drone
- Consumer Drone
- Military Drone



Automotive Diagnostics

- Auto Crash Notification
- Remote Vehicle Diagnostics
- Vehicle Health Alert & Roadside Assistance
- Vehicle Tracking



Mobile Devices

- Altimeter
- Barcode Reader
- DRC (Drone Remote Controller)
- Gesture Measurement
- Portable Lamp



Automated Meter Reading

- Electricity Meter
- Gas Meter
- Sewage
- Telemetry
- Water Meter
- Alarm System
- Military Drone
- Vehicle Tracking



Lifts & Materials Handling

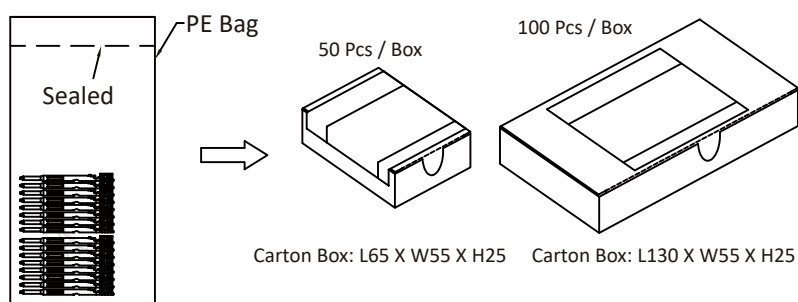
- Forklift
- Industrial Lift
- Materials Handling



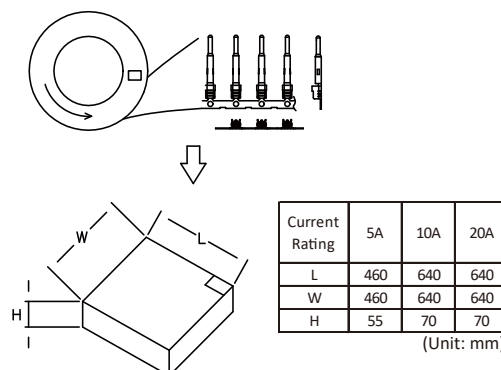
Transportation

- Vehicle Camera
- Dome Vehicle Camera
- Bus GPS
- Displayer
- Outdoor Speaker
- Vehicle Charger
- Fleet Management
- Digital Video Surveillance System

Packing for Crimp Contacts



5A (3K pcs), 10A (3K pcs), 20A (2K pcs) / Reel



Product Range Overview

Sub-Series Name	Mini A Size	Standard B Size	Middle C Size	Large D Size
Mating Style	Screw Thread & 2 Points Lock	Screw Thread & 2 Points Lock	Screw Thread & 2 Points Lock & 3 Points Lock	Screw Thread & 2 Points Lock
Plastic Version	✓	✓	✓	✓
Metal Version	✓	✓	-	✓
No. of Contacts	2 ~ 6	2 ~ 12	2 ~ 18	2 ~ 22
Plating of Contacts	Gold Plated	Gold Plated	Gold Plated Silver Plated	Gold Plated Silver Plated
Operating Voltage (AC/DC)	250V	250 ~ 600V	250 ~ 600V	250 ~ 600V
Nominal Current	2A ~ 5A	2A ~ 10A 5A + 2A 10A + 5A	2A ~ 20A 5A + 2A 10A + 2A 10A + 5A	2A ~ 20A 20A + 2A 20A + 5A
Operating Temperature	• Receptacle: -40°C ~ 105°C • Receptacle With Cable: -20°C ~ 85°C • Overmolded With Cable: -20°C ~ 85°C • Field Serviceable/Installable: -40°C ~ 105°C			
Fasten Style of Nut	Front & Rear	Front & Rear	Front & Rear	Front & Rear
Receptacle	✓	✓	✓	✓
Receptacle With Cable	✓	✓	✓	-
Overmolded With Cable	✓	✓	✓	✓
Field Serviceable/Installable	✓	✓	✓	✓
Accessories	✓	✓	✓	✓
Applicable Wire Gauge	26 ~ 24AWG (0.14 ~ 0.25mm ²)	26 ~ 20AWG (0.14 ~ 0.50mm ²)	24 ~ 14AWG (0.25 ~ 2.50mm ²)	26 ~ 16AWG (0.14 ~ 1.50mm ²)
Mating Cycles (Pin Contact)	2,000 Cycles			
IP Rating	Receptacle, Receptacle With Cable: IP67 (Unmated) Overmolded With Cable, Field Serviceable/Installable: IP67 (Mated)			
Salt Spray (Connector, Mated)	500h	500h	500h	500h
UV Resistant	✓	✓	✓	✓
Flammability Rating	UL94V-0			
Vibration Resistant	Frequency Range 10 ~ 55Hz / Amplitude 1.52mm			
EMI Option	✓	✓	-	✓
ROHS 2.0 Compliant	✓	✓	✓	✓
REACH Compliant	✓	✓	✓	✓
Certifications	-	UL1977	UL1977	UL1977

Product Range Overview

Sub-Series Name	Macro E Size	PLD	MAB	GBD
Mating Style	2 Points Lock	Push Lock	2 Points Lock	3 Points Lock
Plastic Version	✓	✓	✓	✓
Metal Version	-	-	-	-
No. of Contacts	31	2 ~ 4	4	8
Plating of Contacts	Gold Plated	Gold Plated	Gold Plated	Gold Plated
Operating Voltage (AC/DC)	200V	250V	250V	250V
Nominal Current	5A	5A	10A	10A + 5A
Operating Temperature	● Receptacle: -40°C ~ 105°C ● Receptacle With Cable: -20°C ~ 85°C ● Overmolded With Cable: -20°C ~ 85°C ● Field Serviceable/Installable: -40°C ~ 105°C			
Fasten Style of Nut	Front & Rear	Front	-	-
Receptacle	✓	✓	-	-
Receptacle With Cable	-	-	-	-
Overmolded With Cable	✓	-	✓	✓
Field Serviceable/Installable	-	✓	-	-
Accessories	✓	-	✓	✓
Applicable Wire Gauge	26AWG (0.14mm ²)	26 ~ 20AWG (0.14 ~ 0.50mm ²)	20AWG (0.50mm ²)	20~24AWG (0.50~0.25mm ²)
Mating Cycles (Pin Contact)	2,000 Cycles			
IP Rating	Receptacle, Receptalce With Cable: IP67 (Unmated) Overmolded With Cable, Field Serviceable/Installable: IP67 (Mated)			
Salt Spray (Connector, Mated)	500h			
UV Resistant	✓	✓	✓	✓
Flammability Rating	UL94V-0	UL94V-0	UL94V-0	UL94V-0
Vibration Resistant	Frequency Range 10~55Hz / Amplitude 1.52mm			
EMI Option	-	-	-	-
ROHS 2.0 Compliant	✓	✓	✓	✓
REACH Compliant	✓	✓	✓	✓
Certifications	UL1977	-	-	-

Contact Configuration

	Mini Size (A)			Standard Size (B)							Middle Size (C)		
	2A (AU) (ASU)	5A (AD)	5A (ASD)	2A (BU) (BSU)	5A (BD)	5A (BSD)	10A (BB)	10A (BSB)	5A+2A (BDU)	10A+5A (BBD)	2A (CU)	5A (CD)	10A (CB)
2 Pin													
		R C F	R C F		R C F		R C F						
3 Pin													
		R C F	R C F		R C F		R C F						
4 Pin													
	R C F				R C F	R C F	R C F	R C F					R C F
5 Pin													
	R C F				R C F	R C F							R C F
6 Pin													
	R C F				R C F	R C F				R C F			R C F
7 Pin													
					R C F	R C F						R C F	
8 Pin													
					R C F	R C F			R C F			R C F	
9 Pin													
												R C F	
10 Pin													
				R C F								R C F	
12 Pin													
				R C F								R C F	
14 Pin													
												R C F	
18 Pin													
											R C F		
20 Pin													
21 Pin													
22 Pin													
31 Pin													

R: Receptacle C: Overmolded with Cable F: Field Serviceable/Installable

Contact Configuration

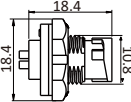
Middle Size (C)				Large Size (D)						Marco Size (E)	Other Size		
20A (CC)	5A+2A (CDU)	10A+5A (CBD)	10A+2A (CBU)	2A (DU)(DSU)	5A (DD)(DSD)	10A (DB)(DSB)	20A (DC)(DSC)	20A+2A (DCU)	20A+5A (DCD)	5A (ED)	10A+5A (GBD)	10A (MAB)	5A (PLD)
													
R C F							R C F						R C F
													
R C F							R C F						R C F
													
							R C F					R C F	R C F
													
							R C F						
													
							R C F						
													
							R C F				R C F		
													
		R C F	R C F					R C F					
													
						R C F							
													
	R C F								R C F				
													
	R C F												
													
					R C F								
													
				R C F									
													
				R C F									
													
				R C F									
													
										R C F			

R: Receptacle C: Overmolded with Cable F: Field Serviceable/Installable

No of Contacts	2		3	
Rated Voltage (AC/DC)	250V		250V	
Nominal Current	5A		5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	MM		MM	
MM: Male Connector Male Contact FF: Female Connector Female Contact				

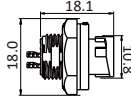
Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: min. 2.3mm ~ max 5.0mm

	Solder Type	AAD-02PMMMS-LC7001	-	AAD-03PMMMS-LC7001	-
	180° PCB Type	1AD-02PMMMP-LC7001	-	1AD-03PMMMP-LC7001	-

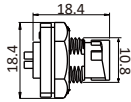
Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: min. 2.3mm ~ max 5.0mm

	Solder Type	AAD-02RMMMS-LC7001	-	AAD-03RMMMS-LC7001	-
	180° PCB Type	-	-	-	-

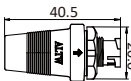
Receptacle, Square Flange, **FRONT** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: min. 2.3mm ~ max 5.0mm

	Solder Type	AAD-02PMMMS-LS7001	AASD-02PMMMS-LS7002	AAD-03PMMMS-LS7001	AASD-03PMMMS-LS7002
	180° PCB Type	1AD-02PMMMP-LS7001	1ASD-02PMMMP-LS7002	1AD-03PMMMP-LS7001	1ASD-03PMMMP-LS7002

Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02PMMM-LL7A 11	-	AAD-03PMMM-LL7A 11	-
	180° PCB Type	-	-	-	-

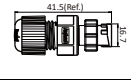
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02BMMM-LL7A 11	-	AAD-03BMMM-LL7A 11	-
	180° PCB Type	-	-	-	-

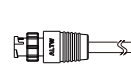
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: 4.5 ~ 6.5mm

	Solder Type	AAD-02BMMMA-LL7001	-	AAD-03BMMMA-LL7001	-
	Crimp Type	AAD-02BMMMC-LL7 11 P0*	-	AAD-03BMMMC-LL7 11 P0*	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-AAD02ML-AADML-LA 11	-	AA-AAD03ML-AADML-LA 11	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-AAD02ML-AADFL-LA 11	-	AA-AAD03ML-AADFL-LA 11	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-AAD02ML-AADFR-LA 11	-	AA-AAD03ML-AADFR-LA 11	-
	180° PCB Type	-	-	-	-

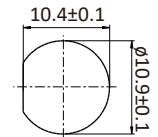
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

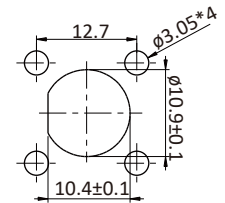
4		5		6	
250V		250V		250V	
2A		2A		2A	
Plastic	Metal	Plastic	Metal	Plastic	Metal
MM		MM		MM	
					
AAU-04PMMS-LC7001	-	AAU-05PMMS-LC7001	-	AAU-06PMMS-LC7001	-
1AU-04PMMP-LC7001	-	1AU-05PMMP-LC7001	-	1AU-06PMMP-LC7001	-
AAD-04RMMS-LC7001	-	AAD-05RMMS-LC7001	-	AAD-06RMMS-LC7001	-
AAD-04PMMS-LS7001	AASD-04PMMS-LS7002	AAD-05PMMS-LS7001	AASD-05PMMS-LS7002	AAD-06PMMS-LS7001	AASD-06PMMS-LS7002
1AD-04PMMP-LS7001	-	1AD-05PMMP-LS7001	-	1AD-06PMMP-LS7001	-
AAU-04PMMM-LL7A 11	-	AAU-05PMMM-LL7A 11	-	AAU-06PMMM-LL7A 11	-
AAU-04BMMM-LL7A 11	-	AAU-05BMMM-LL7A 11	-	AAU-06BMMM-LL7A 11	-
AAD-04BMMMA-LL7001	-	AAD-05BMMMA-LL7001	-	AAD-06BMMMA-LL7001	-
AAD-04BMMC-LL7 11 PO*	-	AAD-05BMMC-LL7 11 PO*	-	AAD-06BMMC-LL7 11 PO*	-

AA-AAD04ML-AADML-LA 11	-	AA-AAD05ML-AADML-LA 11	-	AA-AAD06ML-AADML-LA 11	-
AA-AAD04ML-AADFL-LA 11	-	AA-AAD05ML-AADFL-LA 11	-	AA-AAD06ML-AADFL-LA 11	-
AA-AAD04ML-AADFR-LA 11	-	AA-AAD05ML-AADFR-LA 11	-	AA-AAD06ML-AADFR-LA 11	-

Panel Cut Out



Circular Flange (D Cut)



Square Flange

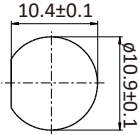
Assemble Style


PCB 180°
(P) Receptacle

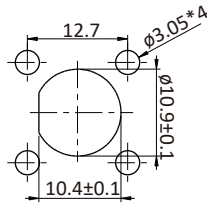
Solder
(S) Receptacle
(A) Field Serviceable/Installable

Crimp
(C) Field Serviceable/Installable

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style



Solder



Crimp

(A) Field Serviceable/Installable

(C) Field Serviceable/Installable

No of Contacts	2		3	
Rated Voltage (AC/DC)	250V		250V	
Nominal Current	5A		5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	FF		FF	
FF: Female Connector Female Contact				

STRAIGHT, Overmolded Cable Assembly, Free Cable End, IP67 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02BFFM-LL7A 11	-	AAD-03BFFM-LL7A 11	-
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RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02BFFM-LR7A 11	-	AAD-03BFFM-LR7A 11	-
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STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-AAD02FL-AADFL-LA 11	-	AA-AAD03FL-AADFL-LA 11	-
--	--	------------------------	---	------------------------	---

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-AAD02FR-AADFR-LA 11	-	AA-AAD03FR-AADFR-LA 11	-
--	--	------------------------	---	------------------------	---

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-AAD02FL-AADFR-LA 11	-	AA-AAD03FL-AADFR-LA 11	-
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Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm

	Solder Type	NEW	AAD-02BFFA-LL7001	1ASD-02BFFA-LL7001*	AAD-03BFFA-LL7001	1ASD-03BFFA-LL7001*
	Crimp Type		AAD-02BFFC-LL7 11 P0*	-	AAD-03BFFC-LL7 11 P0*	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

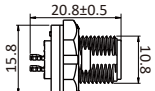
* Upon Request

4		5		6	
250V		250V		250V	
2A		2A		2A	
Plastic	Metal	Plastic	Metal	Plastic	Metal
FF		FF		FF	
					
AAD-04BFFM-LL7A 11	-	AAD-05BFFM-LL7A 11	-	AAD-06BFFM-LL7A 11	-
AAU-04BFFM-LR7A 11	-	AAU-05BFFM-LR7A 11	-	AAU-06BFFM-LR7A 11	-
AA-AAD04FL-AAD FL-LA 11	-	AA-AAD05FL-AAD FL-LA 11	-	AA-AAD06FL-AAD FL-LA 11	-
AA-AAD04FR-AAD FR-LA 11	-	AA-AAD05FR-AAD FR-LA 11	-	AA-AAD06FR-AAD FR-LA 11	-
AA-AAD04FL-AAD FR-LA 11	-	AA-AAD05FL-AAD FR-LA 11	-	AA-AAD06FL-AAD FR-LA 11	-
AAD-04BFFA-LL7001	1ASD-04BFFA-LL7001*	AAD-05BFFA-LL7001	1ASD-05BFFA-LL7001*	AAD-06BFFA-LL7001	1ASD-06BFFA-LL7001*
AAD-04BFFC-LL7 11 P0*	-	AAD-05BFFC-LL7 11 P0*	-	AAD-06BFFC-LL7 11 P0*	-

No of Contacts	2		3	
Rated Voltage (AC/DC)	250V		250V	
Nominal Current	5A		5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	MM		MM	
MM : Male Connector Male Contact FF: Female Connector Female Contact				

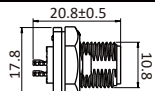
Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: min. 2.3mm ~ max 5.0mm

	Solder Type	AAD-02PMM S -SC7001	-	AAD-03PMM S -SC7001	-
	180° PCB Type	1AD-02PMM P -SC7001	-	1AD-03PMM P -SC7001	-

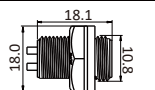
Receptacle, Square Flange, **FRONT** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: min. 2.3mm ~ max 5.0mm

	Solder Type	AAD-02PMM S -SS7001	AASD-02PMM S -SS7002 *	AAD-03PMM S -SS7001	AASD-03PMM S -SS7002 *
	180° PCB Type	1AD-02PMM P -SS7001	-	1AD-03PMM P -SS7001	-

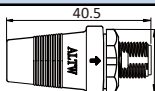
Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: min. 2.3mm ~ max 5.0mm

	Solder Type	AAD-02RMM S -SC7001	-	AAD-03RMM S -SC7001	-
	180° PCB Type	-	-	-	-

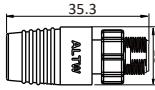
Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02PMMM-SL7A ⑪	-	AAD-03PMMM-SL7A ⑪	-
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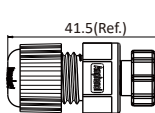
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02BMMM-SL7A ⑪ *	-	AAD-03BMMM-SL7A ⑪ *	-
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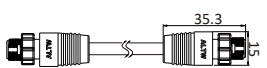
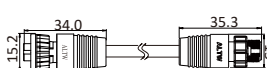
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm

	Solder Type	AAD-02BMM A -SL7001 *	-	AAD-03BMM A -SL7001 *	-
	Crimp Type	AAD-02BMM C -SL7 ⑪ P0 *	-	AAD-03BMM C -SL7 ⑪ P0 *	-

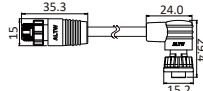
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-AAD02ML-AAD ML-SA ⑪ *	-	AA-AAD03ML-AAD ML-SA ⑪ *	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-AAD02ML-AAD FL-SA ⑪ *	-	AA-AAD03ML-AAD FL-SA ⑪ *	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

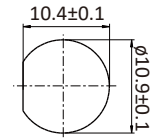
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-AAD02ML-AAD FR-SA ⑪ *	-	AA-AAD03ML-AAD FR-SA ⑪ *	-
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¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

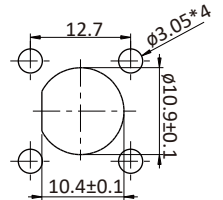
* Upon Request

4		5		6	
250V		250V		250V	
2A		2A		2A	
Plastic	Metal	Plastic	Metal	Plastic	Metal
MM		MM		MM	
					
AAD-04PMMS-SC7001	-	AAD-05PMMS-SC7001	-	AAD-06PMMS-SC7001	-
1AD-04PMMP-SC7001	-	1AD-05PMMP-SC7001	-	1AD-06PMMP-SC7001	-
AAD-04PMMS-SS7001	AASD-04PMMS-SS7002*	AAD-05PMMS-SS7001	AASD-05PMMS-SS7002*	AAD-06PMMS-SS7001	AASD-06PMMS-SS7002*
1AD-04PMMP-SS7001	-	1AD-05PMMP-SS7001	-	1AD-06PMMP-SS7001	-
AAD-04RMMS-SC7001	-	AAD-05RMMS-SC7001	-	AAD-06RMMS-SC7001	-
-	-	-	-	-	-
AAD-04PMMM-SL7A11	-	AAD-05PMMM-SL7A11	-	AAD-06PMMM-SL7A11	-
AAD-04BMMM-SL7A11*	-	AAD-05BMMM-SL7A11*	-	AAD-06BMMM-SL7A11*	-
AAD-04BMMMA-SL7001*	-	AAD-05BMMMA-SL7001*	-	AAD-06BMMMA-SL7001*	-
AAD-04BMMC-SL711P0*	-	AAD-05BMMC-SL711P0*	-	AAD-06BMMC-SL711P0*	-

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style

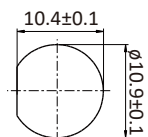

PCB 180°
(P) Receptacle

Solder
(S) Receptacle
(A) Field Serviceable/Installable

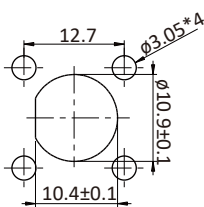
Crimp
(C) Field Serviceable/Installable

AA-AAD04ML-AADML-SA 11*	-	AA-AAD05ML-AADML-SA 11*	-	AA-AAD06ML-AADML-SA 11*	-
AA-AAD04ML-AADFL-SA 11*	-	AA-AAD05ML-AADFL-SA 11*	-	AA-AAD06ML-AADFL-SA 11*	-
AA-AAD04ML-AADFR-SA 11*	-	AA-AAD05ML-AADFR-SA 11*	-	AA-AAD06ML-AADFR-SA 11*	-

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style

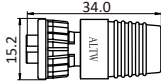
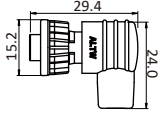
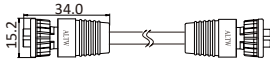
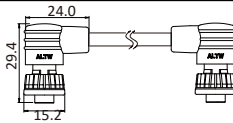
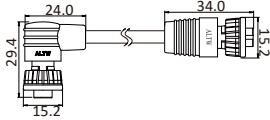
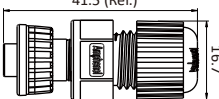


Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

No of Contacts		2		3	
Rated Voltage (AC/DC)		250V		250V	
Nominal Current		5A		5A	
Plastic / Metal		Plastic	Metal	Plastic	Metal
Pin Assignment		FF		FF	
MM : Male Connector Male Contact FF: Female Connector Female Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	AAD-02BFFM-SL7A⑪	-	AAD-03BFFM-SL7A⑪	-
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	AAD-02BFFM-SR7A⑪	-	AAD-03BFFM-SR7A⑪	-
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-AAD02FL-AADFL-SA⑪	-	AA-AAD03FL-AADFL-SA⑪	-
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-AAD02FR-AADFR-SA⑪	-	AA-AAD03FR-AADFR-SA⑪	-
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-AAD02FL-AADFR-SA⑪	-	AA-AAD03FL-AADFR-SA⑪	-
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm					
	Solder Type	AAD-02BFFA-SL7001	1ASD-02BFFA-SL7001*	AAD-03BFFA-SL7001	1ASD-03BFFA-SL7001*
	Crimp Type	AAD-02BFFC-SL7⑪P0* NEW	-	AAD-03BFFC-SL7⑪P0*	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

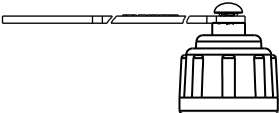
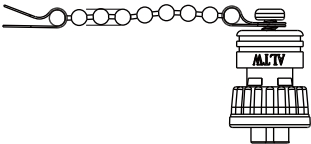
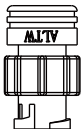
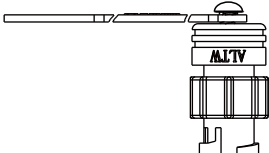
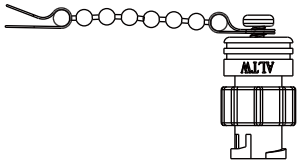
* Upon Request

4		5		6	
250V		250V		250V	
2A		2A		2A	
Plastic	Metal	Plastic	Metal	Plastic	Metal
FF		FF		FF	
					
AAD-04BFFM-SL7A11	-	AAD-05BFFM-SL7A11	-	AAD-06BFFM-SL7A11	-
AAD-04BFFM-SR7A11	-	AAD-05BFFM-SR7A11	-	AAD-06BFFM-SR7A11	-
AA-AAD04FL-AADFL-SA11	-	AA-AAD05FL-AADFL-SA11	-	AA-AAD06FL-AADFL-SA11	-
AA-AAD04FR-AADFR-SA11	-	AA-AAD05FR-AADFR-SA11	-	AA-AAD06FR-AADFR-SA11	-
AA-AAD04FL-AADFR-SA11	-	AA-AAD05FL-AADFR-SA11	-	AA-AAD06FL-AADFR-SA11	-
AAD-04BFFA-SL7001	1ASD-04BFFA-SL7001*	AAD-05BFFA-SL7001	1ASD-05BFFA-SL7001*	AAD-06BFFA-SL7001	1ASD-06BFFA-SL7001*
AAD-04BFFC-SL711P0*	-	AAD-05BFFC-SL711P0*	-	AAD-06BFFC-SL711P0*	-

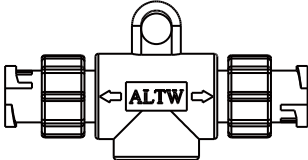
Dust Cap

 With Rubber Lead					
Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Mini A Size	Receptacle	Cover	Male	With Rubber Lead	CAP-DAAMDPC1

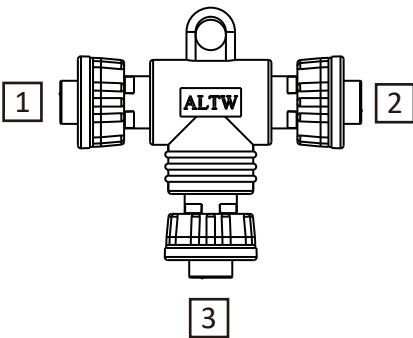
Waterproof Cap

For Mating with Male Connector  None  With Rubber Lead  With Chain					
For Mating with Female Connector  None  With Rubber Lead  With Chain					
7 2 Contacts (1) 4 ~ 6 Contacts (2) 3 Contacts (3)					
Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Mini A Size	Receptacle	Screw Thread	Male	With Rubber Lead	CAP-WAAMSPC1
		2 Points Lock	Male	With Rubber Lead	CAP-WAAMLPC7
		2 Points Lock	Female	With Rubber Lead	CAP-WAAFLPC1
		2 Points Lock	Male	With Chain	CAP-WAAMLPB7
		2 Points Lock	Female	With Chain	CAP-WAAFLPB1
	Overmolded With Cable Field Serviceable/Installable	Screw Thread	Male	None	CAP-WAAMSMA1
		2 Points Lock	Male	None	CAP-WAAMLMA7
		2 Points Lock	Female	None	CAP-WAAFLMA1

I Adaptor

1  2 5 For Connector 1 6 For Connector 2 Connector Gender / Contact Gender Male / Male (M) Female / Female (F)					
Size	Nominal Current	No. of Contacts3	Mating Style		
Mini A Size	2A	04, 05, 06	Screw Thread (7/16"-28 UNS)		2 Points Lock
	5A	02, 03	AA-0033-056-IS001		AA-0033-056-IL001

T Adaptor



5

 For Connector 1

6

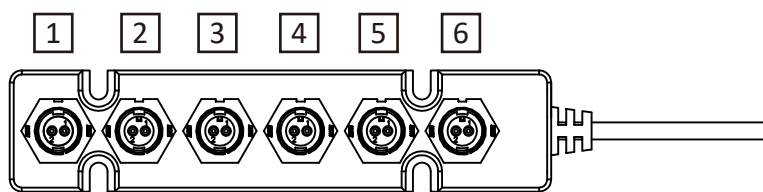
 For Connector 2

7

 For Connector 3
Connector Gender / Contact Gender
Male / Male (M)
Female / Female (F)

Size	Nominal Current	No. of Contacts 2	Mating Style	
			Screw Thread (7/16"-28 UNS)	2 Points Lock
Mini A Size	2A	04, 05, 06	AA-2 2 2 - 5 6 7-TS001	AA-2 2 2 - 5 6 7-TL001
	5A	02, 03		

Distribution Box



8

 For Connector 1

9

 For Connector 2

10

 For Connector 3

11

 For Connector 4

12

 For Connector 5

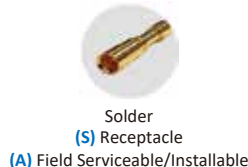
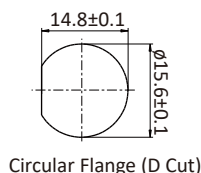
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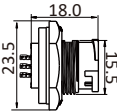
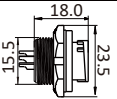
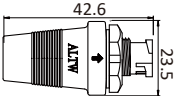
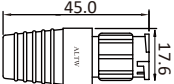
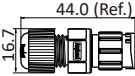
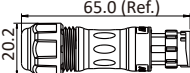
 For Connector 6
Connector Gender / Contact Gender
Male / Male (M)
Female / Female (F)
Male / Female (H)
Female / Male (B)

Size	Nominal Current	No. of Contacts 2	Mating Style	
			Screw Thread (7/16"-28 UNS)	2 Points Lock
Mini A Size	2A	04, 05, 06	A-2 2 2 2 2 2 - 8 9 10 11 12 13-SAXX	A-2 2 2 2 2 2 - 8 9 10 11 12 13-LAXX
	5A	02, 03		

* XX: Choose the cable length: {01}1M ~ {99}99M / PVC UL2464 Cable

Panel Cut Out Assemble Style



No of Contacts		2			
Rated Voltage (AC/DC)		250 ~ 600V			
Nominal Current		5A		10A	
Plastic / Metal		Plastic			
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					
Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm					
	Solder Type	ABD-02 PMMS -LC7001	ABD-02 PMFS -LC7001	ABB-02 PMMS -LC7001	ABB-02 PMFS -LC7001
	180° PCB Type	1BD-02 PMMP -LC7001	1BD-02 PMFP -LC7001	1BB-02 PMMP -LC7001	1BB-02 PMFP -LC7001
	90° PCB Type	ABD02 PMMR -LC7001	-	-	-
Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm					
	Solder Type	ABD-02 RMMS -LC7001	ABD-02 RMFS -LC7001	ABB-02 RMMS -LC7001	ABB-02 RMFS -LC7001
Receptacle With Cable, STRAIGHT , IP67 (Unmated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ABD-02 PMMM -LL7A⑪	ABD-02 PMFM -LL7A⑪	ABB-02 PMMM -LL7A⑪	ABB-02 PMFM -LL7A⑪
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ABD-02 BMMM -LL7A⑪	ABD-02 BMFM -LL7A⑪	ABB-02 BMMM -LL7A⑪	ABB-02 BMFM -LL7A⑪*
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm					
	Solder Type	ABD-02 BMMMA -LL7001	ABD-02 BMFA -LL7001	ABB-02 BMMMA -LL7001	ABB-02 BMFA -LL7001*
	Crimp Type	ABD-02 BMMC -LL7⑪PO	ABD-02 BMFC -LL7⑪PO	ABB-02 BMMC -LL7⑪PO	ABB-02 BMFC -LL7⑪PO*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: Male Conn Male Contact	AA-ABD02ML-ABDML-LA ⑪	-	AA-ABB02ML-ABBML-LA ⑪	-
	End2: Male Conn Male Contact	AA-ABD02ML-ABDFL-LA ⑪	-	AA-ABB02ML-ABBFL-LA ⑪	-
	End1: Male Conn Female Contact	-	AA-ABD02HL-ABDHL-LA ⑪	-	AA-ABB02HL-ABBHL-LA ⑪*
	End2: Male Conn Female Contact	-	AA-ABD02HL-ABDBL-LA ⑪	-	AA-ABB02HL-ABBBL-LA ⑪*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: Male Conn Male Contact	AA-ABD02ML-ABDFR-LA ⑪	-	AA-ABB02ML-ABBFR-LA ⑪	-
	End2: Female Conn Female Contact	-	AA-ABD02HL-ABDBR-LA ⑪	-	AA-ABB02HL-ABBBR-LA ⑪*

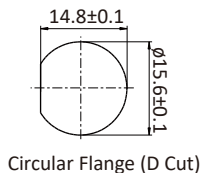
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

3				4			
250 ~ 600V				250 ~ 600V			
5A		10A		5A		10A	
Plastic				Plastic			
MM	MF	MM	MF	MM	MF	MM	MF
ABD-03PMMS-LC7001	ABD-03PMFS-LC7001	ABB-03PMMS-LC7001	ABB-03PMFS-LC7001	ABD-04PMMS-LC7001	ABD-04PMFS-LC7001	ABB-04PMMS-LC7001	ABB-04PMFS-LC7001
1BD-03PMMP-LC7001	1BD-03PMFP-LC7001	1BB-03PMMP-LC7001	1BB-03PMFP-LC7001	1BD-04PMMP-LC7001	1BD-04PMFP-LC7001	1BB-04PMMP-LC7001	1BB-04PMFP-LC7001
ABD03PMMR-LC7001	-	-	-	ABD04PMMR-LC7001	-	-	-
ABD-03RMMS-LC7001	ABD-03RMFS-LC7001	ABB-03RMMS-LC7001	ABB-03RMFS-LC7001	ABD-04RMMS-LC7001	ABD-04RMFS-LC7001	ABB-04RMMS-LC7001	ABB-04RMFS-LC7001
ABD-03PMMM-LL7A11	ABD-03PMFM-LL7A11	ABB-03PMMM-LL7A11	ABB-03PMFM-LL7A11	ABD-04PMMM-LL7A11	ABD-04PMFM-LL7A11	ABB-04PMMM-LL7A11	ABB-04PMFM-LL7A11
ABD-03BMMM-LL7A11	ABD-03BMFM-LL7A11	ABB-03BMMM-LL7A11	ABB-03BMFM-LL7A11*	ABD-04BMMM-LL7A11	ABD-04BMFM-LL7A11	ABB-04BMMM-LL7A11	ABB-04BMFM-LL7A11*
ABD-03BMMA-LL7001	ABD-03BMFA-LL7001	ABB-03BMMA-LL7001	ABB-03BMFA-LL7001*	ABD-04BMMA-LL7001	ABD-04BMFA-LL7001	ABB-04BMMA-LL7001	ABB-04BMFA-LL7001*
ABD-03BMMC-LL711P0	ABD-03BMFC-LL711P0	ABB-03BMMC-LL711P0	ABB-03BMFC-LL711P0*	ABD-04BMMC-LL711P0	ABD-04BMFC-LL711P0	ABB-04BMMC-LL711P0	ABB-04BMFC-LL711P0*

AA-ABD03ML-ABDML-LA11	-	AA-ABB03ML-ABBML-LA11	-	AA-ABD04ML-ABDML-LA11	-	AA-ABB04ML-ABBML-LA11	-
AA-ABD03ML-ABDFL-LA11	-	AA-ABB03ML-ABBFL-LA11	-	AA-ABD04ML-ABDFL-LA11	-	AA-ABB04ML-ABBFL-LA11	-
-	AA-ABD03HL-ABDHL-LA11	-	AA-ABB03HL-ABBHL-LA11*	-	AA-ABD04HL-ABDHL-LA11	-	AA-ABB04HL-ABBHL-LA11*
-	AA-ABD03HL-ABDBL-LA11	-	AA-ABB03HL-ABBBL-LA11*	-	AA-ABD04HL-ABDBL-LA11	-	AA-ABB04HL-ABBBL-LA11*
AA-ABD03ML-ABDFR-LA11	-	AA-ABB03ML-ABBFR-LA11	-	AA-ABD04ML-ABDFR-LA11	-	AA-ABB04ML-ABBFR-LA11	-
-	AA-ABD03HL-ABDBR-LA11	-	AA-ABB03HL-ABBBR-LA11*	-	AA-ABD04HL-ABDBR-LA11	-	AA-ABB04HL-ABBBR-LA11*

Panel Cut Out Assemble Style



No of Contacts	5		6	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	5A		5A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm

	Solder Type	ABD-05PMM5-LC7001	ABD-05PMF5-LC7001	ABD-06PMM5-LC7001	ABD-06PMF5-LC7001
	180° PCB Type	1BD-05PMM5-LC7001	1BD-05PMF5-LC7001	1BD-06PMM5-LC7001	1BD-06PMF5-LC7001
	90° PCB Type	ABD05PMMR-LC7001	-	ABD06PMMR-LC7001	-

Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm

	Solder Type	ABD-05RMM5-LC7001	ABD-05RMF5-LC7001	ABD-06RMM5-LC7001	ABD-06RMF5-LC7001
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Receptacle With Cable, STRAIGHT, IP67 (Unmated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-05PMMM-LL7A⑪	ABD-05PMFM-LL7A⑪	ABD-06PMMM-LL7A⑪	ABD-06PMFM-LL7A⑪
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-05BMMM-LL7A⑪	ABD-05BMFM-LL7A⑪	ABD-026BMMM-LL7A⑪	ABD-06BMFM-LL7A⑪
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Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm

	Solder Type	ABD-05BMM5-LL7001	ABD-05BMF5-LL7001	ABD-06BMM5-LL7001	ABD-06BMF5-LL7001
	Crimp Type	ABD-05BMMC-LL7⑪PO	ABD-05BMFC-LL7⑪PO	ABD-06BMMC-LL7⑪PO	ABD-06BMFC-LL7⑪PO

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: Male Conn Male Contact	AA-ABD05ML-ABDML-LA⑪	-	AA-ABD06ML-ABDML-LA⑪	-
	End2: Male Conn Male Contact	AA-ABD05ML-ABDFL-LA⑪	-	AA-ABD06ML-ABDFL-LA⑪	-
	End1: Male Conn Female Contact	-	AA-ABD05HL-ABDHL-LA⑪	-	AA-ABD06HL-ABDHL-LA⑪
	End2: Male Conn Female Contact	-	AA-ABD05HL-ABDBL-LA⑪	-	AA-ABD06HL-ABDBL-LA⑪

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

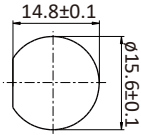
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: Male Conn Male Contact	AA-ABD05ML-ABDFR-LA⑪	-	AA-ABD06ML-ABDFR-LA⑪	-
	End2: Female Conn Female Contact	-	AA-ABD05HL-ABDBR-LA⑪	-	AA-ABD06HL-ABDBR-LA⑪

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

6	7		8			10	12
250 ~ 600V	250 ~ 600V		250 ~ 600V			250 ~ 600V	250 ~ 600V
10A+5A	5A		5A		5A+2A	2A	2A
Plastic	Plastic		Plastic			Plastic	Plastic
MF	MM	MF	MM	MF	MF	MM	MM
							
ABBD-06PMFS-LC7001	ABD-07PMMS-LC7001	ABD-07PMFS-LC7001	ABD-08PMMS-LC7001	ABD-08PMFS-LC7001	ABDU-08PMFS-LC7001	ABU-10PMMS-LC7001	ABU-12PMMS-LC7001
1BBD-06PMFP-LC7001	1BD-07PMMP-LC7001	1BD-07PMFP-LC7001	1BD-08PMMP-LC7001	1BD-08PMFP-LC7001	1BDU-08PMFP-LC7001	1BU-10PMMP-LC7001	1BU-12PMMP-LC7001
-	ABD07PMMR-LC7001		ABD08PMMR-LC7001	-	-	-	-
ABBD-06RMFS-LC7001	ABD-07RMMS-LC7001	ABD-07RMFS-LC7001	ABD-08RMMS-LC7001	ABD-08RMFS-LC7001	ABDU-08RMFS-LC7001	ABU-10RMMS-LC7001	ABU-12RMMS-LC7001
ABBD-06PMFM-LL7A11	ABD-07PMFM-LL7A11	ABD-07PMFM-LL7A11	ABD-08PMFM-LL7A11	ABD-08PMFM-LL7A11	ABDU-08PMFM-LL7A11	ABU-10PMFM-LL7A11	ABU-12PMFM-LL7A11
ABBD-06BMFM-LL7A11	ABD-07BMMM-LL7A11	ABD-07BMFM-LL7A11	ABD-08BMMM-LL7A11	ABD-08BMFM-LL7A11	ABDU-08BMFM-LL7A11*	ABU-10BMMM-LL7A11	ABU-12BMMM-LL7A11
ABBD-06BMFA-LL7001	ABD-07BMMA-LL7001	ABD-07BMFA-LL7001	ABD-08BMMA-LL7001	ABD-08BMFA-LL7001	ABDU-08BMFA-LL7001*	-	-
-	ABD-07BMFC-LL711PO	ABD-07BMFC-LL711PO	ABD-08BMFC-LL711PO	ABD-08BMFC-LL711PO	-	-	-
-	AA-ABD07ML-ABDML-LA11	-	AA-ABD08ML-ABDML-LA11	-	-	AA-ABU10ML-ABUML-LA11	AA-ABU12ML-ABUML-LA11
-	AA-ABD07ML-ABDFL-LA11	-	AA-ABD08ML-ABDFL-LA11	-	-	AA-ABU10ML-ABUFL-LA11	AA-ABU12ML-ABUFL-LA11
AA-ABBD06HL-ABBDHL-LA11	-	AA-ABD07HL-ABDHL-LA11	-	AA-ABD08HL-ABDHL-LA11	AA-ABDU08HL-ABDUHL-LA11*	-	-
AA-ABBD06HL-ABBDL-LA11	-	AA-ABD07HL-ABDBL-LA11	-	AA-ABD08HL-ABDBL-LA11	AA-ABDU08HL-ABDUBL-LA11*	-	-
-	AA-ABD07ML-ABDFR-LA11	-	AA-ABD08ML-ABDFR-LA11	-	-	AA-ABU10ML-ABUFR-LA11	AA-ABU12ML-ABUFR-LA11
AA-ABBD06HL-ABBDL-LA11	-	AA-ABD07HL-ABDBR-LA11	-	AA-ABD08HL-ABDBR-LA11	AA-ABDU08HL-ABDUBR-LA11*	-	-

Panel Cut Out Assemble Style



Circular Flange (D Cut)

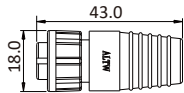
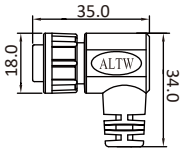
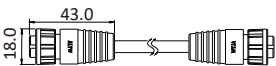
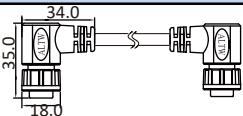
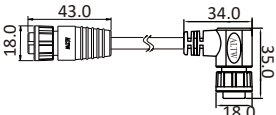
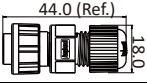


Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

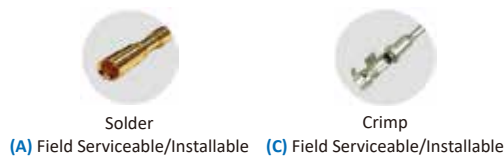
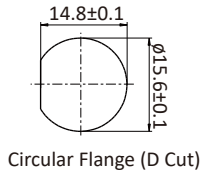
No of Contacts		2			
Rated Voltage (AC/DC)		250 ~ 600V			
Nominal Current		5A		10A	
Plastic / Metal		Plastic			
Pin Assignment		FF	FM	FF	FM
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ABD-02BFFM-LL7A11	ABD-02BFMM-LL7A11	ABB-02BFFM-LL7A11	ABB-02BFMM-LL7A11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ABD-02BFFM-LR7A11	ABD-02BFMM-LR7A11	ABB-02BFFM-LR7A11	ABB-02BFMM-LR7A11
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact	AA-ABD02FL-ABDFL-LA11	-	AA-ABB02FL-ABBFL-LA11	-
	End2: Female Conn Female Contact				
	End1: Female Conn Male Contact	-	AA-ABD02BL-ABDBL-LA11	-	AA-ABB02BL-ABBBL-LA11
	End2: Female Conn Male Contact				
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact	AA-ABD02FR-ABDFR-LA11	-	AA-ABB02FR-ABBFR-LA11	-
	End2: Female Conn Female Contact				
	End1: Female Conn Male Contact	-	AA-ABD02BR-ABDBR-LA11	-	AA-ABB02BR-ABBBR-LA11
	End2: Female Conn Male Contact				
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact	AA-ABD02FL-ABDFR-LA11	-	AA-ABB02FL-ABBFR-LA11	-
	End2: Female Conn Female Contact				
	End1: Female Conn Male Contact	-	AA-ABD02BR-ABDBR-LA11	-	AA-ABB02BL-ABBBR-LA11
	End2: Female Conn Male Contact				
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm					
	Solder Type	ABD-02BFFA-LL7001	ABD-02BFMA-LL7001	ABB-02BFFA-LL7001	ABB-02BFMA-LL7001
	Crimp Type	ABD-02BFFC-LL711 P0	ABD-02BFMC-LL711 P0	ABB-02BFFC-LL711 P0	ABB-02BFMC-LL711 P0

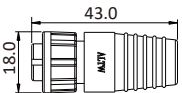
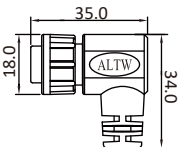
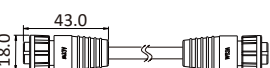
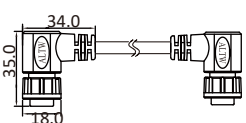
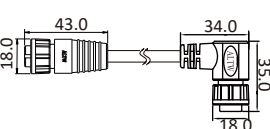
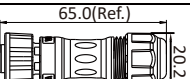
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

3				4			
250 ~ 600V				250 ~ 600V			
5A		10A		5A		10A	
Plastic				Plastic			
FF	FM	FF	FM	FF	FM	FF	FM
							
ABD-03BFFM-LL7A 11	ABD-03BFMM-LL7A 11	ABB-03BFFM-LL7A 11	ABB-03BFMM-LL7A 11	ABD-04BFFM-LL7A 11	ABD-04BFMM-LL7A 11	ABB-04BFFM-LL7A 11	ABB-04BFMM-LL7A 11
ABD-03BFFM-LR7A 11	ABD-03BFMM-LR7A 11	ABB-03BFFM-LR7A 11	ABB-03BFMM-LR7A 11	ABD-04BFFM-LR7A 11	ABD-04BFMM-LR7A 11	ABB-04BFFM-LR7A 11	ABB-04BFMM-LR7A 11
AA-ABD03FL-ABDFL-LA 11	-	AA-ABB03FL-ABBFL-LA 11	-	AA-ABD04FL-ABDFL-LA 11	-	AA-ABB04FL-ABBFL-LA 11	-
-	AA-ABD03BL-ABDBL-LA 11	-	AA-ABB03BL-ABBBL-LA 11	-	AA-ABD04BL-ABDBL-LA 11	-	AA-ABB04BL-ABBBL-LA 11
AA-ABD03FR-ABDFR-LA 11	-	AA-ABB03FR-ABBFR-LA 11	-	AA-ABD04FR-ABDFR-LA 11	-	AA-ABB04FR-ABBFR-LA 11	-
-	AA-ABD03BR-ABDBR-LA 11	-	AA-ABB03BR-ABBBR-LA 11	-	AA-ABD04BR-ABDBR-LA 11	-	AA-ABB04BR-ABBBR-LA 11
AA-ABD03FL-ABDFR-LA 11	-	AA-ABB03FL-ABBFR-LA 11	-	AA-ABD04FL-ABDFR-LA 11	-	AA-ABB04FL-ABBFR-LA 11	-
-	AA-ABD03BR-ABDBR-LA 11	-	AA-ABB03BL-ABBBR-LA 11	-	AA-ABD04BR-ABDBR-LA 11	-	AA-ABB04BL-ABBBR-LA 11
ABD-03BFFA-LL7001	ABD-03BFMA-LL7001	ABB-03BFFA-LL7001	ABB-03BFMA-LL7001	ABD-04BFFA-LL7001	ABD-04BFMA-LL7001	ABB-04BFFA-LL7001	ABB-04BFMA-LL7001
ABD-03BFFC-LL7 11 P0	ABD-03BFMC-LL7 11 P0	ABB-03BFFC-LL7 11 P0	ABB-03BFMC-LL7 11 P0	ABD-04BFFC-LL7 11 P0	ABD-04BFMC-LL7 11 P0	ABB-04BFFC-LL7 11 P0	ABB-04BFMC-LL7 11 P0

Panel Cut Out Assemble Style



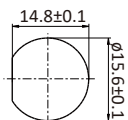
No of Contacts		5		6		
Rated Voltage (AC/DC)		250 ~ 600V		250 ~ 600V		
Nominal Current		5A		5A		10A+5A
Plastic / Metal		Plastic		Plastic		
Pin Assignment		FF	FM	FF	FM	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact						
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)						
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾						
	UL2464, PVC Jacket	ABD-05BFFM-LL7A11	ABD-05BFMM-LL7A11	ABD-06BFFM-LL7A11	ABD-06BFMM-LL7A11	ABBD-06BFMM-LL7A11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)						
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾						
	UL2464, PVC Jacket	ABD-05BFFM-LR7A11	ABD-05BFMM-LR7A11	ABD-06BFFM-LR7A11	ABD-06BFMM-LR7A11	ABBD-06BFMM-LR7A11
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)						
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM						
	End1: Female Conn Female Contact	AA-ABD05FL-ABDFL-LA11	-	AA-ABD06FL-ABDFL-LA11	-	-
	End2: Female Conn Female Contact	-	AA-ABD05BL-ABDBL-LA11	-	AA-ABD06BL-ABDBL-LA11	AA-ABBD06BL-ABDBL-LA11
	End1: Female Conn Male Contact	-	-	-	-	-
	End2: Female Conn Male Contact	-	-	-	-	-
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)						
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM						
	End1: Female Conn Female Contact	AA-ABD05FR-ABDFR-LA11	-	AA-ABD06FR-ABDFR-LA11	-	-
	End2: Female Conn Female Contact	-	AA-ABD05BR-ABDBR-LA11	-	AA-ABD06BR-ABDBR-LA11	AA-ABBD06BR-ABDBR-LA11
	End1: Female Conn Male Contact	-	-	-	-	-
	End2: Female Conn Male Contact	-	-	-	-	-
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)						
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM						
	End1: Female Conn Female Contact	AA-ABD05FL-ABDFR-LA11	-	AA-ABD06FL-ABDFR-LA11	-	-
	End2: Female Conn Female Contact	-	AA-ABD05BR-ABDBR-LA11	-	AA-ABD06BR-ABDBR-LA11	AA-ABBD06BL-ABDBR-LA11
	End1: Female Conn Male Contact	-	-	-	-	-
	End2: Female Conn Male Contact	-	-	-	-	-
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)						
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm						
	Solder Type	ABD-05BFFA-LL7001	ABD-05BFMA-LL7001	ABD-06BFFA-LL7001	ABD-06BFMA-LL7001	ABBD-06BFMA-LL7001
	Crimp Type	ABD-05BFFC-LL711P0	ABD-05BFMC-LL711P0	ABD-06BFFC-LL711P0	ABD-06BFMC-LL711P0	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

7		8			10	12
250 ~ 600V		250 ~ 600V			250 ~ 600V	250 ~ 600V
5A		5A		5A+2A	2A	2A
Plastic		Plastic			Plastic	Plastic
FF	FM	FF	FM	FM	FF	FF
						
ABD-07BFFM-LL7A ¹¹	ABD-07BFMM-LL7A ¹¹	ABD-08BFFM-LL7A ¹¹	ABD-08BFMM-LL7A ¹¹	ABDU-08BFMM-LL7A ¹¹	ABU-10BFFM-LL7A ¹¹	ABU-12BFFM-LL7A ¹¹
ABD-07BFFM-LR7A ¹¹	ABD-07BFMM-LR7A ¹¹	ABD-08BFFM-LR7A ¹¹	ABD-08BFMM-LR7A ¹¹	ABDU-08BFMM-LR7A ¹¹	ABU-10BFFM-LR7A ¹¹	ABU-12BFFM-LR7A ¹¹
AA-ABD07FL-ABD ¹¹ FL-LA ¹¹	-	AA-ABD08FL-ABD ¹¹ FL-LA ¹¹	-	-	AA-ABU10FL-ABU ¹¹ FL-LA ¹¹	AA-ABU12FL-ABU ¹¹ FL-LA ¹¹
-	AA-ABD07BL-ABD ¹¹ BL-LA ¹¹	-	AA-ABD08BL-ABD ¹¹ BL-LA ¹¹	AA-ABDU08BL-ABDU ¹¹ BL-LA ¹¹	-	-
AA-ABD07FR-ABD ¹¹ FR-LA ¹¹	-	AA-ABD08FR-ABD ¹¹ FR-LA ¹¹	-		AA-ABU10FR-ABU ¹¹ FR-LA ¹¹	AA-ABU12FR-ABU ¹¹ FR-LA ¹¹
-	AA-ABD07BR-ABD ¹¹ BR-LA ¹¹	-	AA-ABD08BR-ABD ¹¹ BR-LA ¹¹	AA-ABDU08BR-ABDU ¹¹ BR-LA ¹¹	-	-
AA-ABD07FL-ABD ¹¹ FR-LA ¹¹	-	AA-ABD08FL-ABD ¹¹ FR-LA ¹¹	-	-	AA-ABU10FL-ABU ¹¹ FR-LA ¹¹	AA-ABU12FL-ABU ¹¹ FR-LA ¹¹
-	AA-ABD07BR-ABD ¹¹ BR-LA ¹¹	-	AA-ABD08BR-ABD ¹¹ BR-LA ¹¹	AA-ABDU08BL-ABDU ¹¹ BR-LA ¹¹	-	-
ABD-07BFFA-LL7001	ABD-07BFMA-LL7001	ABD-08BFFA-LL7001	ABD-08BFMA-LL7001	ABDU-08BFMA-LL7001	ABU-10BFFA-LL7001	ABU-12BFFA-LL7001
ABD-07BFFC-LL7 ¹¹ P0	ABD-07BFMC-LL7 ¹¹ P0	ABD-08BFFC-LL7 ¹¹ P0	ABD-08BFMC-LL7 ¹¹ P0	-	ABU-10BFFC-LL7 ¹¹ P0*	ABU-12BFFC-LL7 ¹¹ P0*

Panel Cut Out Assemble Style



Circular Flange (D Cut)


PCB 180°
(P) Receptacle

PCB 90°
(R) Receptacle

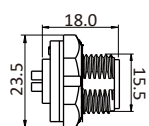
Solder
(S) Receptacle
(A) Field Serviceable/Installable

Crimp
(C) Field Serviceable/Installable

No of Contacts	2			
Rated Voltage (AC/DC)	250 ~ 600V			
Nominal Current	5A		10A	
Plastic / Metal	Plastic			
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated)

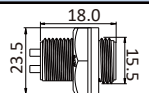
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm



Solder Type	ABD-02PMM5-SC7001	ABD-02PMF5-SC7001	ABB-02PMM5-SC7001	ABB-02PMF5-SC7001
180° PCB Type	1BD-02PMP-SC7001	1BD-02PMFP-SC7001	1BB-02PMP-SC7001	1BB-02PMFP-SC7001
90° PCB Type	ABD-02PMMR-SC7001	-	-	-

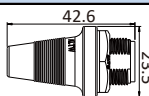
Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm



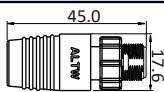
Solder Type	ABD-02RMM5-SC7001	ABD-02RMF5-SC7001	ABB-02RMM5-SC7001	ABB-02RMF5-SC7001
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Receptacle With Cable, STRAIGHT, IP67 (Unmated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾


UL2464, PVC Jacket	ABD-02PMMM-SL7A ¹¹	ABD-02PMFM-SL7A ¹¹	ABB-02PMMM-SL7A ¹¹	ABB-02PMFM-SL7A ¹¹
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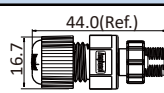
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾


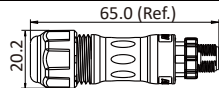
UL2464, PVC Jacket	ABD-02BMMM-SL7A ¹¹ *	ABD-02BMFM-SL7A ¹¹ *	ABB-02BMMM-SL7A ¹¹ *	ABB-02BMFM-SL7A ¹¹ *
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Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: 4.5 ~ 6.5mm

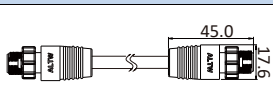


Solder Type	ABD-02BMA-SL7001*	ABD-02BMFA-SL7001*	ABB-02BMA-SL7001*	ABB-02BMFA-SL7001*
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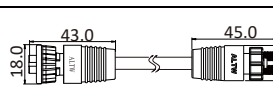


Crimp Type	ABD-02BMMC-SL7 ¹¹ PO*	ABD-02BMFC-SL7 ¹¹ PO*	ABB-02BMMC-SL7 ¹¹ PO*	ABB-02BMFC-SL7 ¹¹ PO*
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STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

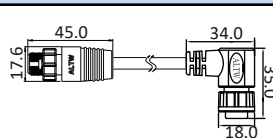
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM


End1: Male Conn Male Contact	AA-ABD02ML-ABDML-SA ¹¹ *	-	AA-ABB02ML-ABBML-SA ¹¹ *	-
End2: Male Conn Male Contact	AA-ABD02ML-ABDML-SA ¹¹ *	-	AA-ABB02ML-ABBML-SA ¹¹ *	-
End1: Male Conn Female Contact	AA-ABD02ML-ABDML-SA ¹¹ *	-	AA-ABB02ML-ABBML-SA ¹¹ *	-
End2: Female Conn Female Contact	AA-ABD02ML-ABDML-SA ¹¹ *	-	AA-ABB02ML-ABBML-SA ¹¹ *	-



End1: Male Conn Female Contact	-	AA-ABD02HL-ABDHL-SA ¹¹ *	-	AA-ABB02HL-ABBHL-SA ¹¹ *
End2: Male Conn Female Contact	-	AA-ABD02HL-ABDHL-SA ¹¹ *	-	AA-ABB02HL-ABBHL-SA ¹¹ *
End1: Male Conn Female Contact	-	AA-ABD02HL-ABDHL-SA ¹¹ *	-	AA-ABB02HL-ABBHL-SA ¹¹ *
End2: Female Conn Male Contact	-	AA-ABD02HL-ABDHL-SA ¹¹ *	-	AA-ABB02HL-ABBHL-SA ¹¹ *

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM


End1: Male Conn Male Contact	AA-ABD02ML-ABDFR-SA ¹¹ *	-	AA-ABB02ML-ABBFR-SA ¹¹ *	-
End2: Female Conn Female Contact	AA-ABD02ML-ABDFR-SA ¹¹ *	-	AA-ABB02ML-ABBFR-SA ¹¹ *	-
End1: Male Conn Female Contact	-	AA-ABD02HL-ABDBR-SA ¹¹ *	-	AA-ABB02HL-ABBBR-SA ¹¹ *
End2: Female Conn Male Contact	-	AA-ABD02HL-ABDBR-SA ¹¹ *	-	AA-ABB02HL-ABBBR-SA ¹¹ *

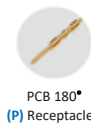
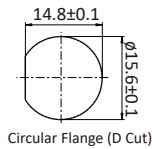
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

3				4			
250 ~ 600V				250 ~ 600V			
5A		10A		5A		10A	
Plastic				Plastic			
MM	MF	MM	MF	MM	MF	MM	MF
							
ABD-03PMM S -SC7001	ABD-03PM F S -SC7001	ABB-03PMM S -SC7001	ABB-03PM F S -SC7001	ABD-04PMM S -SC7001	ABD-04PM F S -SC7001	ABB-04PMM S -SC7001	ABB-04PM F S -SC7001
1BD-03PMM P -SC7001	1BD-03PM F P -SC7001	1BB-03PMM P -SC7001	1BB-03PM F P -SC7001	1BD-04PMM P -SC7001	1BD-04PM F P -SC7001	1BB-04PMM P -SC7001	1BB-04PM F P -SC7001
ABD-03PMM R -SC7001	-	-	-	ABD-04PMM R -SC7001	-	-	-
ABD-03RM S -SC7001	ABD-03RM F S -SC7001	ABB-03RM S -SC7001	ABB-03RM F S -SC7001	ABD-04RM S -SC7001	ABD-04RM F S -SC7001	ABB-04RM S -SC7001	ABB-04RM F S -SC7001
ABD-03PMMM-SL7A⑪	ABD-03PMFM-SL7A⑪	ABB-03PMMM-SL7A⑪	ABB-03PMFM-SL7A⑪	ABD-04PMMM-SL7A⑪	ABD-04PMFM-SL7A⑪	ABB-04PMMM-SL7A⑪	ABB-04PMFM-SL7A⑪
ABD-03BMMM-SL7A⑪*	ABD-03BMFM-SL7A⑪*	ABB-03BMMM-SL7A⑪*	ABB-03BMFM-SL7A⑪*	ABD-04BMMM-SL7A⑪*	ABD-04BMFM-SL7A⑪*	ABB-04BMMM-SL7A⑪*	ABB-04BMFM-SL7A⑪*
ABD-03BMM A -SL7001*	ABD-03BM F A -SL7001*	ABB-03BMM A -SL7001*	ABB-03BM F A -SL7001*	ABD-04BMM A -SL7001*	ABD-04BM F A -SL7001*	ABB-04BMM A -SL7001*	ABB-04BM F A -SL7001*
ABD-03BMM C -SL7⑪P0*	ABD-03BM F C -SL7⑪P0*	ABB-03BMM C -SL7⑪P0*	ABB-03BM F C -SL7⑪P0*	ABD-04BMM C -SL7⑪P0*	ABD-04BM F C -SL7⑪P0*	ABB-04BMM C -SL7⑪P0*	ABB-04BM F C -SL7⑪P0*

AA-ABD03ML-ABDML-SA ¹¹ *	-	AA-ABB03ML-ABBML-SA ¹¹ *	-	AA-ABD04ML-ABDML-SA ¹¹ *	-	AA-ABB04ML-ABBML-SA ¹¹ *	-
AA-ABD03ML-ABDFL-SA ¹¹ *	-	AA-ABB03ML-ABBFL-SA ¹¹	-	AA-ABD04ML-ABDFL-SA ¹¹ *	-	AA-ABB04ML-ABBFL-SA ¹¹	-
-	AA-ABD03HL-ABDHL-SA ¹¹ *	-	AA-ABB03HL-ABBHL-SA ¹¹ *	-	AA-ABD04HL-ABDHL-SA ¹¹ *	-	AA-ABB04HL-ABBHL-SA ¹¹ *
-	AA-ABD03HL-ABDBL-SA ¹¹ *	-	AA-ABB03HL-ABBBL-SA ¹¹ *	-	AA-ABD04HL-ABDBL-SA ¹¹ *	-	AA-ABB04HL-ABBBL-SA ¹¹ *
AA-ABD03ML-ABDFR-SA ¹¹ *	-	AA-ABB03ML-ABBFR-SA ¹¹ *	-	AA-ABD04ML-ABDFR-SA ¹¹ *	-	AA-ABB04ML-ABBFR-SA ¹¹ *	-
-	AA-ABD03HL-ABDBR-SA ¹¹ *	-	AA-ABB03HL-ABBBR-SA ¹¹ *	-	AA-ABD04HL-ABDBR-SA ¹¹ *	-	AA-ABB04HL-ABBBR-SA ¹¹ *

Panel Cut Out Assembly Style


PCB 180°
(P) Receptacle

PCB 90°
(R) Receptacle

Solder
(S) Receptacle
(A) Field Serviceable/Installable

Crimp
(C) Field Serviceable/Installable

No of Contacts	5		6		
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V		
Nominal Current	5A		5A		10A+5A
Plastic / Metal	Plastic		Plastic		
Pin Assignment	MM	MF	MM	MF	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					

Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm

	Solder Type	ABD-05PMM5-SC7001	ABD-05PMF5-SC7001	ABD-06PMM5-SC7001	ABD-06PMF5-SC7001	ABBD-06PMF5-SC7001
	180° PCB Type	1BD-05PMP-SC7001	1BD-05PMF-SC7001	1BD-06PMP-SC7001	1BD-06PMF-SC7001	1BBD-06PMF-SC7001
	90° PCB Type	ABD-05PMMR-SC7001	-	ABD-06PMMR-SC7001	-	-

Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm

	Solder Type	ABD-05RMM5-SC7001	ABD-05RMF5-SC7001	ABD-06RMM5-SC7001	ABD-06RMF5-SC7001	ABBD-06RMF5-SC7001

Receptacle With Cable, STRAIGHT, IP67 (Unmated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-05PMM- SL7A⑪	ABD-05PMF- SL7A⑪	ABD-06PMM- SL7A⑪	ABD-06PMF- SL7A⑪	ABBD-06PMF- SL7A⑪

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-05BMM- SL7A⑪*	ABD-05BMF- SL7A⑪*	ABD-06BMM- SL7A⑪*	ABD-06BMF- SL7A⑪*	ABBD-06BMF- SL7A⑪*

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: 4.5 ~ 6.5mm

	Solder Type	ABD-05BMA- SL7001*	ABD-05BMF- SL7001*	ABD-06BMA- SL7001*	ABD-06BMF- SL7001*	ABBD-06BMF- SL7001*
	Crimp Type	ABD-05BMC- SL7⑪PO*	ABD-05BMF- SL7⑪PO*	ABD-06BMC- SL7⑪PO*	ABD-06BMF- SL7⑪PO*	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact	AA-ABD05ML-ABDML-SA⑪*	-	AA-ABD06ML-ABDML-SA⑪*	-	-
	End2: Male Conn Male Contact	AA-ABD05ML-ABDML-SA⑪*	-	AA-ABD06ML-ABDML-SA⑪*	-	-
	End1: Male Conn Male Contact	AA-ABD05ML-ABDML-SA⑪*	-	AA-ABD06ML-ABDML-SA⑪*	-	-
	End2: Female Conn Female Contact	AA-ABD05ML-ABDML-SA⑪*	-	AA-ABD06ML-ABDML-SA⑪*	-	-
	End1: Male Conn Female Contact	-	AA-ABD05HL-ABDHL-SA⑪*	-	AA-ABD06HL-ABDHL-SA⑪*	AA-ABBD06HL-ABBDHL-SA⑪*
	End2: Male Conn Female Contact	-	AA-ABD05HL-ABDHL-SA⑪*	-	AA-ABD06HL-ABDHL-SA⑪*	AA-ABBD06HL-ABBDHL-SA⑪*
	End1: Male Conn Female Contact	-	AA-ABD05HL-ABDHL-SA⑪*	-	AA-ABD06HL-ABDHL-SA⑪*	AA-ABBD06HL-ABBDHL-SA⑪*
	End2: Male Conn Female Contact	-	AA-ABD05HL-ABDHL-SA⑪*	-	AA-ABD06HL-ABDHL-SA⑪*	AA-ABBD06HL-ABBDHL-SA⑪*
	End1: Male Conn Female Contact	-	AA-ABD05HL-ABDHL-SA⑪*	-	AA-ABD06HL-ABDHL-SA⑪*	AA-ABBD06HL-ABBDHL-SA⑪*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

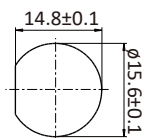
	End1: Male Conn Male Contact	AA-ABD05ML-ABDFR-SA⑪*	-	AA-ABD06ML-ABDFR-SA⑪*	-	-
	End2: Female Conn Female Contact	AA-ABD05ML-ABDFR-SA⑪*	-	AA-ABD06ML-ABDFR-SA⑪*	-	-
	End1: Male Conn Female Contact	-	AA-ABD05HL-ABDBR-SA⑪*	-	AA-ABD06HL-ABDBR-SA⑪*	AA-ABBD06HL-ABDBR-SA⑪*
	End2: Female Conn Female Contact	-	AA-ABD05HL-ABDBR-SA⑪*	-	AA-ABD06HL-ABDBR-SA⑪*	AA-ABBD06HL-ABDBR-SA⑪*
	End1: Male Conn Female Contact	-	AA-ABD05HL-ABDBR-SA⑪*	-	AA-ABD06HL-ABDBR-SA⑪*	AA-ABBD06HL-ABDBR-SA⑪*
	End2: Female Conn Female Contact	-	AA-ABD05HL-ABDBR-SA⑪*	-	AA-ABD06HL-ABDBR-SA⑪*	AA-ABBD06HL-ABDBR-SA⑪*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

7		8			10	12
250 ~ 600V		250 ~ 600V			250 ~ 600V	250 ~ 600V
5A		5A		5A+2A	2A	2A
Plastic		Plastic			Plastic	Plastic
MM	MF	MM	MF	MF	MM	MM
						
ABD-07PMMMS-SC7001	ABD-07PMFMS-SC7001	ABD-08PMMMS-SC7001	ABD-08PMFMS-SC7001	ABDU-08PMFMS-SC7001	ABU-10PMMMS-SC7001	ABU-12PMMMS-SC7001
1BD-07PMMMP-SC7001	1BD-07PMFMP-SC7001	1BD-08PMMMP-SC7001	1BD-08PMFMP-SC7001	1BDU-08PMFMP-SC7001	1BU-10PMMMP-SC7001	1BU-12PMMMP-SC7001
ABD-07PMMMR-SC7001	-	ABD-08PMMMR-SC7001	-	-	-	-
ABD-07RMMMS-SC7001	ABD-07RMFMS-SC7001	ABD-08RMMMS-SC7001	ABD-08RMFMS-SC7001	ABDU-08RMFMS-SC7001	ABU-10RMMMS-SC7001	ABU-12RMMMS-SC7001
ABD-07PMMM-SL7A11	ABD-07PMFMM-SL7A11	ABD-08PMMM-SL7A11	ABD-08PMFMM-SL7A11	ABDU-08PMFMM-SL7A11	ABU-10PMMM-SL7A11	ABU-12PMMM-SL7A11
ABD-07BMMM-SL7A11*	ABD-07BMFMM-SL7A11*	ABD-08BMMM-SL7A11*	ABD-08BMFMM-SL7A11*	ABDU-08BMFMM-SL7A11*	ABU-10BMMM-SL7A11*	ABU-12BMMM-SL7A11*
ABD-07BMMMA-SL7001*	ABD-07BMFMA-SL7001*	ABD-08BMMMA-SL7001*	ABD-08BMFMA-SL7001*	ABDU-08BMFMA-SL7001*	ABU-10BMMMA-SL7001*	ABU-12BMMMA-SL7001*
ABD-07BMMMC-SL711PO*	ABD-07BMFMC-SL711PO*	ABD-08BMMMC-SL711PO*	ABD-08BMFMC-SL711PO*	-	ABU-10BMMMC-SL711PO*	ABU-12BMMMC-SL711PO*
AA-ABD07ML-ABDML-SA11*	-	AA-ABD08ML-ABDML-SA11*	-	-	AA-ABU10ML-ABUML-SA11*	AA-ABU12ML-ABUML-SA11*
AA-ABD07ML-ABDFL-SA11*	-	AA-ABD08ML-ABDFL-SA11*	-	-	AA-ABU10ML-ABUFL-SA11*	AA-ABU12ML-ABUFL-SA11*
-	AA-ABD07HL-ABDHL-SA11*	-	AA-ABD08HL-ABDHL-SA11*	AA-ABDU08HL-ABDUHL-SA11*	-	-
-	AA-ABD07HL-ABDBL-SA11*	-	AA-ABD08HL-ABDBL-SA11*	AA-ABDU08HL-ABDUBL-SA11*	-	-
AA-ABD07ML-ABDFR-SA11*	-	AA-ABD08ML-ABDFR-SA11*	-	-	AA-ABU10ML-ABUFR-SA11*	AA-ABU12ML-ABUFR-SA11*
-	AA-ABD07HL-ABDBR-SA11*	-	AA-ABD08HL-ABDBR-SA11*	AA-ABDU08HL-ABDUBR-SA11*	-	-

Panel Cut Out Assemble Style



Circular Flange (D Cut)



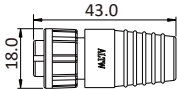
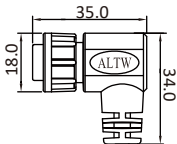
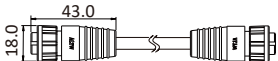
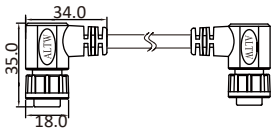
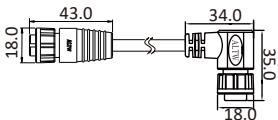
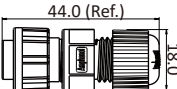
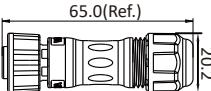
Solder

(A) Field Serviceable/Installable



Crimp

(C) Field Serviceable/Installable

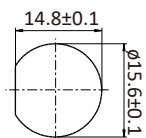
No of Contacts		2			
Rated Voltage (AC/DC)		250 ~ 600V			
Nominal Current		5A		10A	
Plastic / Metal		Plastic			
Pin Assignment		FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ABD-02BFFM-SL7A⑪	ABD-02BFMM-SL7A⑪	ABB-02BFFM-SL7A⑪	ABB-02BFMM-SL7A⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ABD-02BFFM-SR7A⑪	ABD-02BFMM-SR7A⑪	ABB-02BFFM-SR7A⑪	ABB-02BFMM-SR7A⑪
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact	AA-ABD02FL-ABDFL-SA⑪	-	AA-ABB02FL-ABBFL-SA⑪	-
	End2: Female Conn Female Contact	-	-	-	-
	End1: Female Conn Male Contact	-	AA-ABD02BL-ABDBL-SA⑪	-	AA-ABB02BL-ABBBL-SA⑪
	End2: Female Conn Male Contact	-	-	-	-
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact	AA-ABD02FR-ABDFR-SA⑪	-	AA-ABB02FR-ABBFR-SA⑪	-
	End2: Female Conn Female Contact	-	-	-	-
	End1: Female Conn Male Contact	-	AA-ABD02BR-ABDBR-SA⑪	-	AA-ABB02BR-ABBBR-SA⑪
	End2: Female Conn Male Contact	-	-	-	-
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact	AA-ABD02FL-ABDFR-SA⑪	-	AA-ABB02FL-ABBFR-SA⑪	-
	End2: Female Conn Female Contact	-	-	-	-
	End1: Female Conn Male Contact	-	AA-ABD02BL-ABDBR-SA⑪	-	AA-ABB02BL-ABBBR-SA⑪
	End2: Female Conn Male Contact	-	-	-	-
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm					
	Solder Type	ABD-02BFFA-SL7001	ABD-02BFMA-SL7001	ABB-02BFFA-SL7001	ABB-02BFMA-SL7001
	Crimp Type	ABD-02BFFC-SL7⑪P0	ABD-02BFMC-SL7⑪P0	ABB-02BFFC-SL7⑪P0	ABB-02BFMC-SL7⑪P0

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

3				4			
250 ~ 600V				250 ~ 600V			
5A		10A		5A		10A	
Plastic				Plastic			
FF	FM	FF	FM	FF	FM	FF	FM
							
ABD-03BFFM-SL7A11	ABD-03BFMM-SL7A11	ABB-03BFFM-SL7A11	ABB-03BFMM-SL7A11	ABD-04BFFM-SL7A11	ABD-04BFMM-SL7A11	ABB-04BFFM-SL7A11	ABB-04BFMM-SL7A11
ABD-03BFFM-SR7A11	ABD-03BFMM-SR7A11	ABB-03BFFM-SR7A11	ABB-03BFMM-SR7A11	ABD-04BFFM-SR7A11	ABD-04BFMM-SR7A11	ABB-04BFFM-SR7A11	ABB-04BFMM-SR7A11
AA-ABD03FL-ABDFL-SA11	-	AA-ABB03FL-ABBFL-SA11	-	AA-ABD04FL-ABDFL-SA11	-	AA-ABB04FL-ABBFL-SA11	-
-	AA-ABD03BL-ABDBL-SA11	-	AA-ABB03BL-ABBBL-SA11	-	AA-ABD04BL-ABDBL-SA11	-	AA-ABB04BL-ABBBL-SA11
AA-ABD03FR-ABDFR-SA11	-	-	-	AA-ABD04FR-ABDFR-SA11	-	-	-
-	AA-ABD03BR-ABDBR-SA11	-	AA-ABB03BR-ABBBR-SA11	-	AA-ABD04BR-ABDBR-SA11	-	AA-ABB04BR-ABBBR-SA11
AA-ABD03FL-ABDFR-SA11	-	AA-ABB03FL-ABBFR-SA11	-	AA-ABD04FL-ABDFR-SA11	-	AA-ABB04FL-ABBFR-SA11	-
-	AA-ABD03BL-ABDBR-SA11	-	AA-ABB03BL-ABBBR-SA11	-	AA-ABD04BL-ABDBR-SA11	-	AA-ABB04BL-ABBBR-SA11
ABD-03BFFA-SL7001	ABD-03BFMA-SL7001	ABB-03BFFA-SL7001	ABB-03BFMA-SL7001	ABD-04BFFA-SL7001	ABD-04BFMA-SL7001	ABB-04BFFA-SL7001	ABB-05BFMA-SL7001
ABD-03BFFC-SL711 P0	ABD-03BFMC-SL711 P0	ABB-03BFFC-SL711 P0	ABB-03BFMC-SL711 P0	ABD-04BFFC-SL711 P0	ABD-04BFMC-SL711 P0	ABB-04BFFC-SL711 P0	ABB-05BFMC-SL711 P0

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

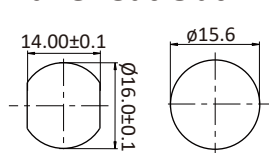
No of Contacts		5		6		
Rated Voltage (AC/DC)		250 ~ 600V		250 ~ 600V		
Nominal Current		5A		5A		10A+5A
Plastic / Metal		Plastic		Plastic		
Pin Assignment		FF	FM	FF	FM	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact						
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)						
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾						
	UL2464, PVC Jacket	ABD-05BFFM-SL7A⑪	ABD-05BFMM-SL7A⑪	ABD-06BFFM-SL7A⑪	ABD-06BFMM-SL7A⑪	ABBD-06BFMM-SL7A⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)						
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾						
	UL2464, PVC Jacket	ABD-05BFFM-SR7A⑪	ABD-05BFMM-SR7A⑪	ABD-06BFFM-SR7A⑪	ABD-06BFMM-SR7A⑪	ABBD-06BFMM-SR7A⑪
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)						
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM						
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABD05FL-ABDFL-SA⑪	-	AA-ABD06FL-ABDFL-SA⑪	-	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ABD05BL-ABDBL-SA⑪	-	AA-ABD06BL-ABDBL-SA⑪	AA-ABBD06BL-ABDBL-SA⑪
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)						
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM						
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABD05FR-ABDFR-SA⑪	-	AA-ABD06FR-ABDFR-SA⑪	-	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ABD05BR-ABDBR-SA⑪	-	AA-ABD06BR-ABDBR-SA⑪	AA-ABBD06BR-ABDBR-SA⑪
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)						
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM						
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABD05FL-ABDFR-SA⑪	-	AA-ABD06FL-ABDFR-SA⑪	-	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ABD05BL-ABDBR-SA⑪	-	AA-ABD06BL-ABDBR-SA⑪	AA-ABBD06BL-ABDBR-SA⑪
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)						
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm						
	Solder Type	ABD-05BFFA-SL7001	ABD-05BFMA-SL7001	ABD-06BFFA-SL7001	ABD-06BFMA-SL7001	ABBD-06BFMA-SL7001
	Crimp Type	NEW ABD-05BFFC-SL7⑪P0	ABD-05BFMC-SL7⑪P0	ABD-06BFFC-SL7⑪P0	ABD-06BFMC-SL7⑪P0	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

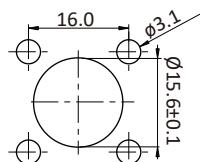
* Upon Request

7		8			10	12
250 ~ 600V		250 ~ 600V			250 ~ 600V	250 ~ 600V
5A		5A		5A+2A	2A	2A
Plastic		Plastic			Plastic	Plastic
FF	FM	FF	FM	FM	FF	FF
						
ABD-07B FF M-SL7A ¹¹	ABD-07B FMM -SL7A ¹¹	ABD-08B FF M-SL7A ¹¹	ABD-08B FMM -SL7A ¹¹	ABDU-08B FMM -SL7A ¹¹	ABU-10B FF M-SL7A ¹¹	ABU-12B FF M-SL7A ¹¹
ABD-07B FF M-SR7A ¹¹	ABD-07B FMM -SR7A ¹¹	ABD-08B FF M-SR7A ¹¹	ABD-08B FMM -SR7A ¹¹	ABDU-08B FMM -SR7A ¹¹	ABU-10B FF M-SR7A ¹¹	ABU-12B FF M-SR7A ¹¹
AA-ABD07FL-ABD FL -SA ¹¹	-	AA-ABD08FL-ABD FL -SA ¹¹	-	-	AA-ABU02FL-ABU FL -SA ¹¹	AA-ABU12FL-ABU FL -SA ¹¹
-	AA-ABD07 BL -ABD BL -SA ¹¹	-	AA-ABD08 BL -ABD BL -SA ¹¹	AA-ABDU08 BL -ABD UB L-SA ¹¹	-	-
AA-ABD07FR-ABD FR -SA ¹¹	-	AA-ABD08FR-ABD FR -SA ¹¹	-	-	AA-ABU10FR-ABU FR -SA ¹¹	AA-ABU12FR-ABU FR -SA ¹¹
-	AA-ABD07 BR -ABD BR -SA ¹¹	-	AA-ABD08 BR -ABD BR -SA ¹¹	AA-ABDU08 BR -ABD UBR -SA ¹¹	-	-
AA-ABD07FL-ABD FR -SA ¹¹	-	AA-ABD08FL-ABD FR -SA ¹¹	-	-	AA-ABU02FL-ABU FR -SA ¹¹	AA-ABU12FL-ABU FR -SA ¹¹
-	AA-ABD07 BL -ABD BR -SA ¹¹	-	AA-ABD08 BL -ABD B R-SA ¹¹	AA-ABDU08 BL -ABD UBR -SA ¹¹	-	-
ABD-07B FFA -SL7001	ABD-07B FMA -SL7001	ABD-08B FFA -SL7001	ABD-08B FMA -SL7001	ABDU-08B FMA -SL7001	ABU-10B FFA -SL7001	ABU-12B FFA -SL7001
ABD-07B FM ^C -SL7 ¹¹ P0	ABD-07B FM ^C -SL7 ¹¹ P0	ABD-08B FM ^C -SL7 ¹¹ P0	ABD-08B FM ^C -SL7 ¹¹ P0	-	ABU-10B FFC -SL7 ¹¹ P0*	ABU-12B FFC -SL7 ¹¹ P0*

Panel Cut Out



Circular Flange

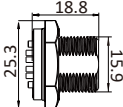
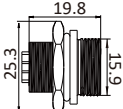
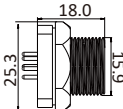
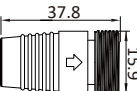


Square Flange

Assemble Style


PCB 180°
(P) Receptacle

Solder
(S) Receptacle

No of Contacts		4		5
Rated Voltage (AC/DC)		250 ~ 600V		250 ~ 600V
Nominal Current		5A	10A	5A
Plastic / Metal		Metal		Metal
Pin Assignment		MM	MM	MM
MM : Male Connector Male Contact FF : Female Connector Female Contact				
Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated)				
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: max. 5.0mm				
	Solder Type	ABSD-04P MM S-SC7001	ABSB-04R MM S-SC7001	ABSD-05P MM S-SC7001
	180° PCB Type	1BSD-04P MM P-SC7001	-	1BSD-05P MM P-SC7001
Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated)				
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: max. 7.0mm				
	Solder Type	ABSD-04R MM S-SC7001	-	ABSD-05R MM S-SC7001
Receptacle, Square Flange, FRONT Fastened Nut, IP67 (Unmated)				
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: max. 4.4mm				
	180° PCB Type	1BSD-04P MM P-SS7001	-	1BSD-05P MM P-SS7001
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)				
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾				
	UL2464, PVC Jacket	ABSD-04B MM M-SL7A⑪*	ABSB-04B MM M-SL7A⑪*	ABSD-05B MM M-SL7A⑪*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ABSD04ML-ABSDML-SA⑪	AA-ABSB04ML-ABSBML-SA⑪	AA-ABSD05ML-ABSDML-SA⑪
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ABSD04ML-ABSDFL-SA⑪	AA-ABSB04ML-ABSBFL-SA⑪	AA-ABSD05ML-ABSDFL-SA⑪

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

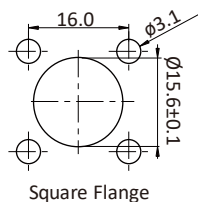
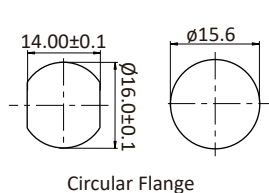
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ABSD04ML-ABSDFR-SA⑪	AA-ABSB04ML-ABSBFR-SA⑪	AA-ABSD05ML-ABSDFR-SA⑪
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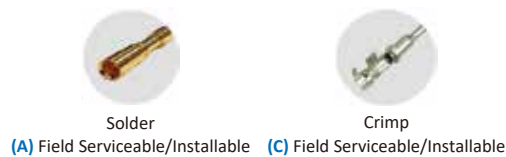
6	7	8	10
250 ~ 600V	250 ~ 600V	250 ~ 600V	250 ~ 600V
5A	5A	5A	2A
Metal	Metal	Metal	Metal
MM	MM	MM	MM
			
ABSD-06PMMMS-SC7001	ABSD-07PMMMS-SC7001	ABSD-08PMMMS-SC7001	ABSU-10PMMMS-SC7001
1BSD-06PMMMP-SC7001	1BSD-07PMMMP-SC7001	1BSD-08PMMMP-SC7001	1BSU-10PMMMP-SC7001
ABSD-06RMMMS-SC7001	ABSD-07RMMMS-SC7001	ABSD-08RMMMS-SC7001	ABSU-10RMMMS-SC7001
1BSD-06PMMMP-SS7001	1BSD-07PMMMP-SS7001	1BSD-08PMMMP-SS7001	-
ABSD-06BMMM-SL7A 11 *	ABSD-07BMMM-SL7A 11 *	ABSD-08BMMM-SL7A 11 *	ABSU-10BMMM-SL7A 11 *

AA-ABSD06ML-ABSDML-SA 11	AA-ABSD07ML-ABSDML-SA 11	AA-ABSD08ML-ABSDML-SA 11	AA-ABSU10ML-ABSUML-SA 11
AA-ABSD06ML-ABSDFL-SA 11	AA-ABSD07ML-ABSDFL-SA 11	AA-ABSD08ML-ABSDFL-SA 11	AA-ABSU10ML-ABSUFL-SA 11
AA-ABSD06ML-ABSDFR-SA 11	AA-ABSD07ML-ABSDFR-SA 11	AA-ABSD08ML-ABSDFR-SA 11	AA-ABSU10ML-ABSUFR-SA 11

Panel Cut Out



Assemble Style



No of Contacts	4		5	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	5A	10A	5A	
Plastic / Metal	Metal		Metal	
Pin Assignment	FF		FF	
FF : Female Connector Female Contact				

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)				
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾				
	UL2464, PVC, Jacket	ABSD-04BFFM-SL7A⑪	ABSB-04BFFM-SL7A⑪	ABSD-05BFFM-SL7A⑪

RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)				
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾				
	UL2464, PVC Jacket	ABSD-04BFFM-SR7A⑪	ABSB-04BFFM-SR7A⑪*	ABSD-05BFFM-SR7A⑪

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)				
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF				
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABSD04FL-ABSDFL-SA⑪	AA-ABSB04FL-BSBFL-SA⑪	AA-ABSD05FL-ABSDFL-SA⑪

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)				
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF				
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABSD04FR-ABSDFR-SA⑪	AA-ABSB04FR-ABSBFR-SA⑪*	AA-ABSD05FR-ABSDFR-SA⑪

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)				
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF				
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABSD04FL-ABSDFR-SA⑪	AA-ABSB04FL-ABSBFR-SA⑪*	AA-ABSD05FL-ABSDFR-SA⑪

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)				
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm				
	Solder Type	ABSD-04BFFA-SL7001*	ABSB-04BFFA-SL7001*	ABSD-05BFFA-SL7001*
	Crimp Type	ABSD-04BFFC-SL7001*	ABSB-04BFFC-SL7001*	ABSD-05BFFC-SL7001*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

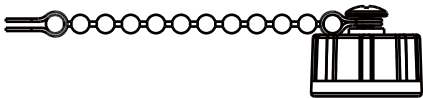
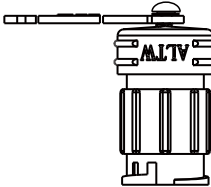
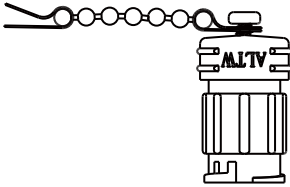
* Upon Request

6	7	8	10
250 ~ 600V	250 ~ 600V	250 ~ 600V	250 ~ 600V
5A	5A	5A	2A
Metal	Metal	Metal	Metal
FF	FF	FF	FF
			
ABSD-06BFFM-SL7A ¹¹	ABSD-07BFFM-SL7A ¹¹	ABSD-08BFFM-SL7A ¹¹	ABSU-10BFFM-SL7A ¹¹
ABSD-06BFFM-SR7A ¹¹	ABSD-07BFFM-SR7A ¹¹	ABSD-08BFFM-SR7A ¹¹	ABSU-10BFFM-SR7A ¹¹
AA-ABSD06FL-ABSDFL-SA ¹¹	AA-ABSD04FL-ABSDFL-SA ¹¹	AA-ABSD04FL-ABSDFL-SA ¹¹	AA-ABSU10FL-ABSUFL-SA ¹¹
AA-ABSD06FR-ABSDFR-SA ¹¹	AA-ABSD07FR-ABSDFR-SA ¹¹	AA-ABSD08FR-ABSDFR-SA ¹¹	AA-ABSU10FR-ABSUFR-SA ¹¹
AA-ABSD06FL-ABSDFR-SA ¹¹	AA-ABSD07FL-ABSDFR-SA ¹¹	AA-ABSD08FL-ABSDFR-SA ¹¹	AA-ABSU10FL-ABSUFR-SA ¹¹
ABSD-06BFFA-SL7001*	ABSD-07BFFA-SL7001*	ABSD-08BFFA-SL7001*	ABSU-10BFFA-SL7001*
ABSD-06BFFC-SL7001*	ABSD-07BFFC-SL7001*	ABSD-08BFFC-SL7001*	-

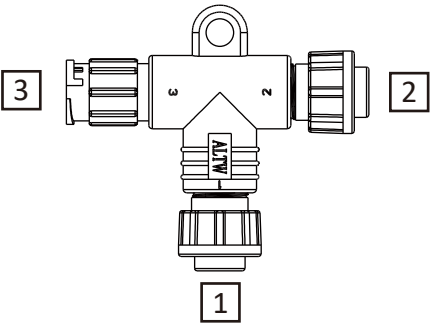
Dust Cap

 With Rubber Lead					
Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Standard Size	Receptacle	Cover	Male	With Rubber Lead	CAP-DABMDCC1
			Male	With Rubber Lead (Longer)	CAP-DABMDCC2
			Male	With Rubber Lead	CAP-DABMDPC3
			Female	With Rubber Lead	CAP-DABFDCC1

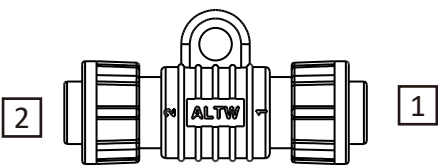
Waterproof Cap

For Mating with Male Connector  None  With Rubber Lead  With Chain					
For Mating with Female Connector  None  With Rubber Lead  With Chain					
Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Standard Size	Receptacle	Screw Thread	Male	With Chain	CAP-WABMSPB1
		Screw Thread	Male	With Rubber Lead	CAP-WABMSPC1
		Screw Thread	Female	With Rubber Lead	CAP-WABFSPC1
		2 Points Lock	Male	With Chain	CAP-WABMLPB1
		2 Points Lock	Female	With Chain	CAP-WABFLPB1
		2 Points Lock	Male	With Rubber Lead	CAP-WABMLPC1
		2 Points Lock	Female	With Rubber Lead	CAP-WABFLPC1
	Overmolded With Cable Field Serviceable/Installable	Screw Thread	Male	None	CAP-WABMSMA1
		2 Points Lock	Male	None	CAP-WABMLMA1
		2 Points Lock	Female	None	CAP-WABFLMA1

T Adaptor

					
5 For Connector 1 6 For Connector 2 7 For Connector 3 Connector Gender / Contact Gender Male / Male (M) Female / Female (F) Male / Female (H) Female / Male (B)					
Size	Nominal Current	No. of Contacts ²	Mating Style		
Standard Size	2A	10, 12	Screw Thread (5/8"-27 UNS)		2 Points Lock
	5A	02, 03, 04, 05, 06, 07, 08	BA-222-567-TS001		BA-222-567-TL001
	10A	02, 03, 04	AA-BB-333-567-TS001		AA-BB-333-567-TL001

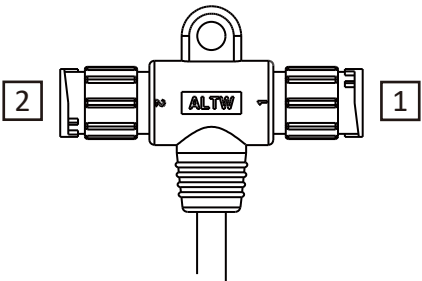
I Adaptor



- 5 For Connector 1
- 6 For Connector 2
- Connector Gender / Contact Gender
- Male / Male (M)
- Female / Female (F)
- Male / Female (H)
- Female / Male (B)

Size	Nominal Current	No. of Contacts 3	Mating Style	
			Screw Thread (5/8"-27 UNS)	2 Points Lock
Standard Size	2A	10, 12	BA-00 3 3 -0 5 6 -IS001	BA-00 3 3 -0 5 6 -IL001
	5A	02, 03, 04, 05, 06, 07, 08		
	10A	02, 03, 04	AA-BB-00 3 3 -0 5 6 -IS001	AA-BB-00 3 3 -0 5 6 -IL001

T Cable

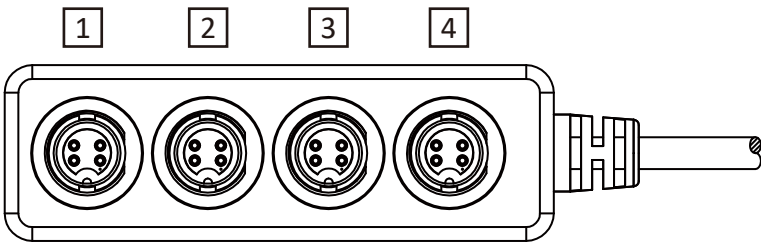


- 5 For Connector 1
- 6 For Connector 2
- Connector Gender / Contact Gender
- Male / Male (M)
- Female / Female (F)
- Male / Female (H)
- Female / Male (B)

Size	Nominal Current	No. of Contacts 2	Mating Style	
			Screw Thread (5/8"-27 UNS)	2 Points Lock
Standard Size	2A	10, 12	BA- 2 2 00- 5 6 0-TSAXX	BA- 2 2 00- 5 6 0-TLAXX
	5A	02, 03, 04, 05, 06, 07, 08		
	10A	02, 03, 04	AA-BB- 3 3 00- 5 6 0-TSAXX	AA-BB- 3 3 00- 5 6 0-TLAXX

* XX: Choose the cable length: (01) 1M ~ (99) 99M / PVC UL2464 Cable

Distribution Box

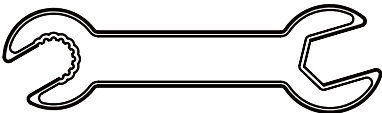


- 6 For Connector 1
- 7 For Connector 2
- 8 For Connector 3
- 9 For Connector 4
- Connector Gender / Contact Gender
- Male / Male (M)
- Female / Female (F)
- Male / Female (H)
- Female / Male (B)

Size	Nominal Current	No. of Contacts 2	Mating Style	
			Screw Thread (5/8"-27 UNS)	2 Points Lock
Standard Size	2A	04, 05, 06	B- 2 2 2 2 -6 7 8 9 -SAXX	B- 2 2 2 2 -6 7 8 9 -LAXX
	5A	02, 03		
	10A	02, 03, 04	AA-BB- 2 2 2 2 -6 7 8 9 -SAXX	AA-BB- 2 2 2 2 -6 7 8 9 -LAXX

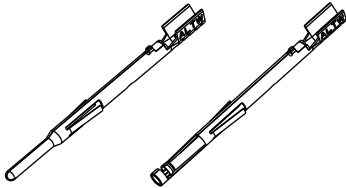
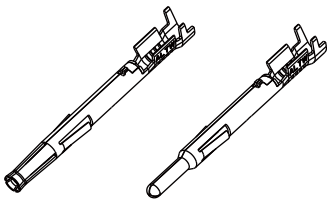
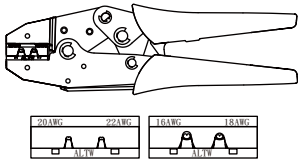
* XX: Choose the cable length: (01) 1M ~ (99) 99M / PVC UL2464 Cable

Wrench



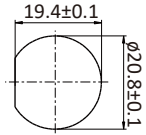
Part Number: TOL-171801

Contacts & Crimp Tool

   5A10A/20ACrimp Tool				
Nominal Current	Contact Gender	Part Number	Packing ⑥	Crimp Tool
5A	Male	ASSP-05-M-A-C-⑥	(SA) 50pcs / Box (SB) 100pcs / Box (RE) 5A 3,000pcs / Reel 10A 3,000pcs / Reel 20A 2,000pcs / Reel	ASST-C-05-W-A (22 ~ 20AWG 0.34 ~ 0.50mm ²)
	Female	ASSP-05-F-A-C-⑥		
10A	Male	ASSP-10-M-A-C-⑥		ASST-C-10-W-B (18 ~ 16AWG 1.50 ~ 0.75mm ²)
	Female	ASSP-10-F-A-C-⑥		

Panel Cut Out

Assemble Style



Circular Flange (D Cut)


PCB 180°
(P) Receptacle

Solder
(S) Receptacle
(A) Field Serviceable/Installable

Crimp
(C) Field Serviceable/Installable

No of Contacts	2		3	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	20A		20A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACC-02PMM5-LC7001	ACC-02PMFS-LC7001	ACC-03PMM5-LC7001	ACC-03PMFS-LC7001
	180° PCB Type	1CC-02PMP-LC7001	-	1CC-03PMP-LC7001	-

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACC-02RMM5-LC7001	-	ACC-03RMM5-LC7001	-
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Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾ | Recommended Panel Thickness: (with cap) max. 2.0mm, (without cap) max. 3.0mm

	UL2464, PVC Jacket	-	-	-	-
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ACC-02BMMM-LL7A⑪*	-	ACC-03BMMM-LL7A⑪*	-
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: 4.5 ~ 6.5mm

	Solder Type	ACC-02BMMAL-LL7001*	ACC-02BMFA-LL7001*	ACC-03BMMAL-LL7001*	ACC-03BMFA-LL7001*
	Crimp Type	ACC-02BMMC-LL7⑪P0*	ACC-02BMFC-LL7⑪P0*	ACC-03BMMC-LL7⑪P0*	ACC-03BMFC-LL7⑪P0*
	Screw-In Type	ACC-02BMMB-LL7⑪P0*	ACC-02BMFB-LL7⑪P0*	ACC-03BMMB-LL7⑪P0*	ACC-03BMFB-LL7⑪P0*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ACC02ML-ACCML-LA⑪*	-	AA-ACC03ML-ACCML-LA⑪*	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ACC02ML-ACCFL-LA⑪*	-	AA-ACC03ML-ACCFL-LA⑪*	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-ACC02HL-ACCFL-LA⑪*	-	AA-ACC03HL-ACCFL-LA⑪*
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ACC02HL-ACCB-LA⑪*	-	AA-ACC03HL-ACCB-LA⑪*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

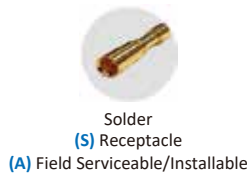
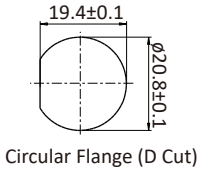
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

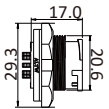
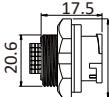
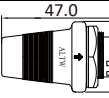
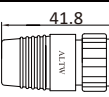
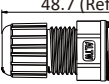
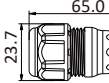
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ACC02ML-ACCFL-LA⑪*	-	AA-ACC03ML-ACCFL-LA⑪*	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ACC02HL-ACCB-LA⑪*	-	AA-ACC03HL-ACCB-LA⑪*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out Assemble Style



No of Contacts	4			5		
Rated Voltage (AC/DC)	250 ~ 600V			250 ~ 600V		
Nominal Current	2A	10A		10A		
Plastic / Metal	Plastic			Plastic		
Pin Assignment	MM	MM	MF	MM	MF	
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact						
Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated)						
Nut Torque Value: 11.5 ~ 14 kgf.cm Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm						
	Solder Type	-	ACB-04PMM S -LC7001	ACB-04PMF S -LC7001	ACB-05PMM S -LC7001	ACB-05PMF S -LC7001
	180° PCB Type	1CU-04PMM P -LC7001	1CB-04PMM P -LC7001	1CB-04PMF P -LC7001	1CB-05PMM P -LC7001	1CB-05PMF P -LC7001
Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated)						
Nut Torque Value: 11.5 ~ 14 kgf.cm Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm						
	Solder Type	-	ACB-04RMM S -LC7001	ACB-04RMF S -LC7001	ACB-05RMM S -LC7001	ACB-05RMF S -LC7001
Receptacle With Cable, STRAIGHT , IP67 (Unmated)						
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾ Recommended Panel Thickness: (with cap) max. 2.0mm, (without cap) max. 3.0mm						
	UL2464, PVC Jacket	-	ACB-04PMMM-LL7A⑪	ACB-04PMFM-LL7A⑪	ACB-05PMMM-LL7A⑪	ACB-05PMFM-LL7A⑪
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)						
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾						
	UL2464, PVC Jacket	ACU-04BMMM-LL7A⑪*	ACB-04BMMM-LL7A⑪*	ACB-04BMFM-LL7A⑪*	ACB-05BMMM-LL7A⑪*	ACB-05BMFM-LL7A⑪*
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated)						
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm						
	Solder Type	ACU-04BMM A -LL7001*	ACB-04BMM A -LL7001*	ACB-04BMF A -LL7001*	ACB-05BMM A -LL7001*	ACB-05BMF A -LL7001*
	Crimp Type	ACU-04BMM C -LL7⑪P0*	ACB-04BMM C -LL7⑪P0*	ACB-04BMF C -LL7⑪P0*	ACB-05BMM C -LL7⑪P0*	ACB-05BMF C -LL7⑪P0*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ACU04ML-ACUML-LA⑪*	AA-ACB04ML-ACBML-LA⑪*	-	AA-ACB05ML-ACBML-LA⑪*	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ACU04ML-ACUFL-LA⑪*	AA-ACB04ML-ACBFL-LA⑪*	-	AA-ACB05ML-ACBFL-LA⑪*	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	-	AA-ACB04HL-ACBHL-LA⑪*	-	AA-ACB05HL-ACBHL-LA⑪*
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	-	AA-ACB04HL-ACBBL-LA⑪*	-	AA-ACB05HL-ACBBL-LA⑪*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ACU04ML-ACUFR-LA⑪*	AA-ACB04ML-ACBFR-LA⑪*	-	AA-ACB05ML-ACBFR-LA⑪*	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	-	AA-ACB04HL-ACBBR-LA⑪*	-	AA-ACB05HL-ACBBR-LA⑪*

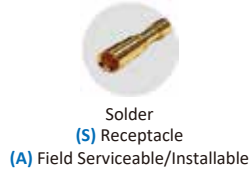
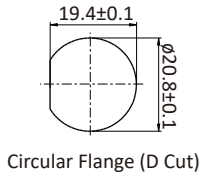
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

6		7		8			
250 ~ 600V		250 ~ 600V		250 ~ 600V			
10A		5A		5A		10A+2A	
Plastic		Plastic		Plastic			
MM	MF	MM	MF	MM	MF	MM	MF
							
ACB-06PMMS-LC7001	ACB-06PMFS-LC7001	ACD-07PMMS-LC7001	ACD-07PMFS-LC7001	ACD-08PMMS-LC7001	ACD-08PMFS-LC7001	ACBU-08PMMS-LC7001*	ACBU-08PMFS-LC7001*
1CB-06PMMP-LC7001	1CB-06PMFP-LC7001	1CD-07PMMP-LC7001	1CD-07PMFP-LC7001	1CD-08PMMP-LC7001	1CD-08PMFP-LC7001	1CBU-08PMMP-LC7001*	1CBU-08PMFP-LC7001*
ACB-06RMMS-LC7001	ACB-06RMFS-LC7001	ACD-07RMMS-LC7001	ACD-07RMFS-LC7001	ACD-08RMMS-LC7001	ACD-08RMFS-LC7001	-	-
ACB-06PMMM-LL7A⑪	ACB-06PMFM-LL7A⑪	ACD-07PMMM-LL7A⑪	ACD-07PMFM-LL7A⑪	ACD-08PMMM-LL7A⑪	ACD-08PMFM-LL7A⑪	-	-
ACB-06BMMM-LL7A⑪*	ACB-06BMFM-LL7A⑪*	ACD-07BMMM-LL7A⑪*	ACD-07BMFM-LL7A⑪	ACD-08BMMM-LL7A⑪*	ACD-08BMFM-LL7A⑪	ACBU-08BMMM-LL7A⑪*	ACBU-08BMFM-LL7A⑪*
ACB-06BMMA-LL7001*	ACB-06BMFA-LL7001*	ACD-07BMMA-LL7001	ACD-07BMFA-LL7001	ACD-08BMMA-LL7001	ACD-08BMFA-LL7001	ACBU-08BMMA-LL7001*	ACBU-08BMFA-LL7001*
ACB-06BMMC-LL7⑪PO*	ACB-06BMFC-LL7⑪PO*	ACD-07BMMC-LL7⑪PO*	ACD-07BMFC-LL7⑪PO	ACD-08BMMC-LL7⑪PO*	ACD-08BMFC-LL7⑪PO	ACBU-08BMMC-LL7⑪PO*	ACBU-08BMFC-LL7⑪PO*

AA-ACB06ML-ACBML-LA⑪*	-	AA-ACD07ML-ACDML-LA⑪	-	AA-ACD08ML-ACDML-LA⑪	-	AA-ACBU08ML-ACBUML-LA⑪*	-
AA-ACB06ML-ACBFL-LA⑪*	-	AA-ACD07ML-ACDFL-LA⑪	-	AA-ACD08ML-ACDFL-LA⑪	-	AA-ACBU08ML-ACBUFL-LA⑪*	-
-	AA-ACB06HL-ACBHL-LA⑪*	-	AA-ACD07HL-ACDHL-LA⑪	-	AA-ACD08HL-ACDHL-LA⑪	-	AA-ACBU08HL-ACBUHL-LA⑪*
-	AA-ACB06HL-ACBBL-LA⑪*	-	AA-ACD07HL-ACDBL-LA⑪	-	AA-ACD08HL-ACDBL-LA⑪	-	AA-ACBU08HL-ACBUBL-LA⑪*
AA-ACB06ML-ACBFR-LA⑪*	-	AA-ACD07ML-ACDFR-LA⑪	-	AA-ACD08ML-ACDFR-LA⑪	-	AA-ACB08ML-ACBFR-LA⑪*	-
-	AA-ACB06HL-ACBBL-LA⑪*	-	AA-ACD07HL-ACDBR-LA⑪*	-	AA-ACD08HL-ACDBR-LA⑪*	-	AA-ACBU08HL-ACBUBL-LA⑪*

Panel Cut Out Assemble Style



No of Contacts	8		9		10	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V		250 ~ 600V	
Nominal Current	10A+5A		5A		5A	
Plastic / Metal	Plastic		Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF	MM	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact						

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACBD-08PMM-S-LC7001	ACBD-08PMF-S-LC7001	ACD-09PMM-S-LC7001	ACD-09PMF-S-LC7001	ACD-10PMM-S-LC7001	ACD-10PMF-S-LC7001
	180° PCB Type	1CBD-08PMM-P-LC7001	1CBD-08PMF-P-LC7001	1CD-09PMM-P-LC7001	1CD-09PMF-P-LC7001	1CD-10PMM-P-LC7001	1CD-10PMF-P-LC7001

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	-	-	ACD-09RMM-S-LC7001	ACD-09RMF-S-LC7001	ACD-10RMM-S-LC7001	ACD-10RMF-S-LC7001

Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)

¹⁾ Cable Length: (01) 1M ~ (99) 99M | Recommended Panel Thickness: (with cap) max. 2.0mm, (without cap) max. 3.0mm

	UL2464, PVC Jacket	-	-	ACD-09PMM-M-LL7A ¹⁾	ACD-09PMF-M-LL7A ¹⁾	ACD-10PMM-M-LL7A ¹⁾	ACD-10PMF-M-LL7A ¹⁾

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

¹⁾ Cable Length: (01) 1M ~ (99) 99M

	UL2464, PVC Jacket	ACBD-08BMM-M-LL7A ¹⁾ *	ACBD-08BMF-M-LL7A ¹⁾ *	ACD-09BMM-M-LL7A ¹⁾ *	ACD-09BMF-M-LL7A ¹⁾ *	ACD-10BMM-M-LL7A ¹⁾ *	ACD-10BMF-M-LL7A ¹⁾ *

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: 4.5 ~ 6.5mm

	Solder Type	ACBD-08BMM-A-LL7001*	ACBD-08BMF-A-LL7001*	ACD-09BMM-A-LL7001	ACD-09BMF-A-LL7001	ACD-10BMM-A-LL7001	ACD-10BMF-A-LL7001
	Crimp Type	ACBD-08BMM-C-LL7 ¹⁾ P0*	ACBD-08BMF-C-LL7 ¹⁾ P0*	ACD-09BMM-C-LL7 ¹⁾ P0*	ACD-09BMF-C-LL7 ¹⁾ P0	ACD-10BMM-C-LL7 ¹⁾ P0*	ACD-10BMF-C-LL7 ¹⁾ P0

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

¹⁾ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact	AA-ACBD08ML-ACBDML-LA ¹⁾ *	-	AA-ACD09ML-ACDML-LA ¹⁾	-	AA-ACD10ML-ACDML-LA ¹⁾	-
	End2: Male Conn Male Contact	AA-ACBD08ML-ACBDML-LA ¹⁾ *	-	AA-ACD09ML-ACDML-LA ¹⁾	-	AA-ACD10ML-ACDML-LA ¹⁾	-
	End1: Male Conn Male Contact	AA-ACBD08ML-ACBDFL-LA ¹⁾ *	-	AA-ACD09ML-ACDFL-LA ¹⁾	-	AA-ACD10ML-ACDFL-LA ¹⁾	-
	End2: Female Conn Female Contact	AA-ACBD08ML-ACBDFL-LA ¹⁾ *	-	AA-ACD09ML-ACDFL-LA ¹⁾	-	AA-ACD10ML-ACDFL-LA ¹⁾	-
	End1: Male Conn Female Contact	-	AA-ACBD08HL-ACBDHL-LA ¹⁾ *	-	AA-ACD09HL-ACDHL-LA ¹⁾	-	AA-ACD10HL-ACDHL-LA ¹⁾
	End2: Male Conn Female Contact	-	AA-ACBD08HL-ACBDHL-LA ¹⁾ *	-	AA-ACD09HL-ACDHL-LA ¹⁾	-	AA-ACD10HL-ACDHL-LA ¹⁾
	End1: Male Conn Female Contact	-	AA-ACBD08HL-ACBDBL-LA ¹⁾ *	-	AA-ACD09HL-ACDBL-LA ¹⁾	-	AA-ACD10HL-ACDBL-LA ¹⁾
	End2: Female Conn Male Contact	-	AA-ACBD08HL-ACBDBL-LA ¹⁾ *	-	AA-ACD09HL-ACDBL-LA ¹⁾	-	AA-ACD10HL-ACDBL-LA ¹⁾

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

¹⁾ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact	AA-ACBD08ML-ACBDFR-LA ¹⁾ *	-	AA-ACD09ML-ACDFR-LA ¹⁾	-	AA-ACD10ML-ACDFR-LA ¹⁾	-
	End2: Female Conn Female Contact	AA-ACBD08ML-ACBDFR-LA ¹⁾ *	-	AA-ACD09ML-ACDFR-LA ¹⁾	-	AA-ACD10ML-ACDFR-LA ¹⁾	-
	End1: Male Conn Female Contact	-	AA-ACBD08HL-ACBDBR-LA ¹⁾ *	-	AA-ACD09HL-ACDBR-LA ¹⁾ *	-	AA-ACD10HL-ACDBR-LA ¹⁾ *
	End2: Female Conn Male Contact	-	AA-ACBD08HL-ACBDBR-LA ¹⁾ *	-	AA-ACD09HL-ACDBR-LA ¹⁾ *	-	AA-ACD10HL-ACDBR-LA ¹⁾ *

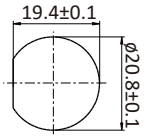
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

12				14			
250 ~ 600V				250 ~ 600V			
5A		5A+2A		5A		5A+2A	
Plastic				Plastic			
MM	MF	MM	MF	MM	MF	MM	MF
							
ACD-12P MM S- LC7001	ACD-12P MF S- LC7001	ACDU-12P MM S- LC7001	ACDU-12P MF S- LC7001	ACD-14P MM S- LC7001	ACD-14P MF S- LC7001	ACDU-14P MM S- LC7001	ACDU-14P MF S- LC7001
1CD-12P MM P- LC7001	1CD-12P MF P- LC7001	1CDU-12P MM P- LC7001	1CDU-12P MF P- LC7001	1CD-14P MM P- LC7001	1CD-14P MF P- LC7001	1CDU-14P MM P- LC7001	1CDU-14P MF P- LC7001
ACD-12R MM S- LC7001	ACD-12R MF S- LC7001	-	-	ACD-14R MM S- LC7001	ACD-14R MF S- LC7001	-	-
ACD-12P MMM - LL7A 11	ACD-12P MF M- LL7A 11	-	-	ACD-14P MMM - LL7A 11	ACD-14P MF M- LL7A 11	-	-
ACD-12B MMM - LL7A 11 *	ACD-12B MF M- LL7A 11	ACDU-12B MMM - LL7A 11 *	ACDU-12B MF M- LL7A 11 *	ACD-14B MMM - LL7A 11 *	ACD-14B MF M- LL7A 11	ACDU-14B MMM - LL7A 11 *	ACDU-14B MF M- LL7A 11 *
ACD-12B MM A- LL7001	ACD-12B MF A- LL7001	ACDU-12B MM A- LL7001*	ACDU-12B MF A- LL7001*	ACD-14B MM A- LL7001	ACD-14B MF A- LL7001	ACDU-14B MM A- LL7001*	ACDU-14B MF A- LL7001*
ACD-12B MM C- LL7 11 P0*	ACD-12B MF C- LL7 11 P0	ACDU-12B MM C- LL7 11 P0*	ACDU-12B MF C- LL7 11 P0*	ACD-14B MM C- LL7 11 P0*	ACD-14B MF C- LL7 11 P0	ACDU-14B MM C- LL7 11 P0*	ACDU-14B MF C- LL7 11 P0*

AA-ACD12ML-ACDML-LA11	-	AA-ACDU12ML-ACDUML-LA11*	-	AA-ACD14ML-ACDML-LA11	-	AA-ACDU14ML-ACDUML-LA11*	-
AA-ACD12ML-ACDFL-LA11	-	AA-ACDU12ML-ACDUFL-LA11*	-	AA-ACD14ML-ACDFL-LA11	-	AA-ACDU14ML-ACDUFL-LA11*	-
-	AA-ACD12HL-ACDHL-LA11	-	AA-ACDU12HL-ACDUHL-LA11*	-	AA-ACD14HL-ACDHL-LA11	-	AA-ACDU14HL-ACDUHL-LA11*
-	AA-ACD12HL-ACDBL-LA11	-	AA-ACDU12HL-ACDUBL-LA11*	-	AA-ACD14HL-ACDBL-LA11	-	AA-ACDU14HL-ACDUBL-LA11*
AA-ACD12ML-ACDFR-LA11	-	AA-ACDU12ML-ACDUFR-LA11*	-	AA-ACD14ML-ACDFR-LA11	-	AA-ACDU14ML-ACDUFR-LA11*	-
-	AA-ACD12HL-ACDBR-LA11*	-	AA-ACDU12HL-ACDUBR-LA11*	-	AA-ACD14HL-ACDBR-LA11*	-	AA-ACDU14HL-ACDUBR-LA11*

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

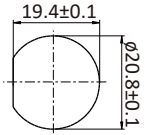
No of Contacts		2		3	
Rated Voltage (AC/DC)		250 ~ 600V		250 ~ 600V	
Nominal Current		20A		20A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		FF	FM	FF	FM
FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACC-02BFFM-LL7A 11	ACC-02BFMM-LL7A 11	ACC-03BFFM-LL7A 11	ACC-03BFMM-LL7A 11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACC-02BFFM-LR7A 11*	ACC-02BFMM-LR7A 11*	ACC-03BFFM-LR7A 11*	ACC-03BFMM-LR7A 11*
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACC02FL-ACCFL-LA 11	-	AA-ACC03FL-ACCFL-LA 11	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACC02BL-ACCBL-LA 11	-	AA-ACC03BL-ACCBL-LA 11
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACC02FR-ACCFR-LA 11*	-	AA-ACC03FR-ACCFR-LA 11*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACC02BR-ACCBR-LA 11*	-	AA-ACC03BR-ACCBR-LA 11*
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACC02FL-ACCFR-LA 11*	-	AA-ACC03FL-ACCFR-LA 11*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACC02BL-ACCBR-LA 11*	-	AA-ACC03BL-ACCBR-LA 11*
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm					
	Solder Type	ACC-02BFFA-LL7001	ACC-02BFMA-LL7001*	ACC-03BFFA-LL7001	ACC-03BFMA-LL7001*
	NEW Crimp Type	ACC-02BFFC-LL7 11 P0	ACC-02BMFC-LL7 11 P0	ACC-03BFFC-LL7 11 P0	ACC-03BMFC-LL7 11 P0
	Screw-In Type	ACC-02BFFB-LL7 11 P0*	ACC-02BMFB-LL7 11 P0*	ACC-03BFFB-LL7 11 P0*	ACC-03BMFB-LL7 11 P0*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

4			5		6		7	
250 ~ 600V			250 ~ 600V		250 ~ 600V		250 ~ 600V	
2A	10A		10A		10A		5A	
Plastic			Plastic		Plastic		Plastic	
FF	FF	FM	FF	FM	FF	FM	FF	FM
								
ACU-04BFFM-LL7A11	ACB-04BFFM-LL7A11	ACB-04BFMM-LL7A11	ACB-05BFFM-LL7A11	ACB-05BFMM-LL7A11	ACB-06BFFM-LL7A11	ACB-06BFMM-LL7A11	ACD-07BFFM-LL7A11	ACD-07BFMM-LL7A11
ACU-04BFFM-LR7A11*	ACB-04BFFM-LR7A11*	ACB-04BFMM-LR7A11*	ACB-05BFFM-LR7A11*	ACB-05BFMM-LR7A11*	ACB-06BFFM-LR7A11*	ACB-06BFMM-LR7A11*	ACD-07BFFM-LR7A11	ACD-07BFMM-LR7A11*
AA-ACU04FL-ACUFL-LA11	AA-ACB04FL-ACBFL-LA11	-	AA-ACB05FL-ACBFL-LA11	-	AA-ACB06FL-ACBFL-LA11	-	AA-ACD07FL-ACDFL-LA11	-
-	-	AA-ACB04BL-ACBBL-LA11	-	AA-ACB05BL-ACBBL-LA11	-	AA-ACB06BL-ACBBL-LA11	-	AA-ACD07BL-ACDBL-LA11
AA-ACU04FR-ACUFR-LA11*	AA-ACB04FR-ACBFR-LA11*	-	AA-ACB05FR-ACBFR-LA11*	-	AA-ACB06FR-ACBFR-LA11*	-	AA-ACD07FR-ACDFR-LA11	-
-	-	AA-ACB04BR-ACBBR-LA11*	-	AA-ACB05BR-ACBBR-LA11*	-	AA-ACB06BR-ACBBR-LA11*	-	AA-ACD07BL-ACDBL-LA11
AA-ACU04FL-ACUFR-LA11*	AA-ACB04FL-ACBFR-LA11*	-	AA-ACB05FL-ACBFR-LA11*	-	AA-ACB06FL-ACBFR-LA11*	-	AA-ACD07FL-ACDFR-LA11	-
-	-	AA-ACB04BL-ACBBR-LA11*	-	AA-ACB05BL-ACBBR-LA11*	-	AA-ACB06BL-ACBBR-LA11*	-	AA-ACD07BL-ACDBR-LA11*
ACU-04BFFA-LL7001	ACB-04BFFA-LL7001	ACB-04BFMA-LL7001	ACB-05BFFA-LL7001	ACB-05BFMA-LL7001	ACB-06BFFA-LL7001	ACB-06BFMA-LL7001	ACD-07BFFA-LL7001	ACD-07BFMA-LL7001
ACU-04BFFC-LL711PO*	ACB-04BFFC-LL711PO	ACB-04BFMC-LL711PO	ACB-05BFFC-LL711PO	ACB-05BFMC-LL711PO	ACB-06BFFC-LL711PO	ACB-06BFMC-LL711PO	ACD-07BFFC-LL711PO*	ACD-07BFMC-LL711PO
-	-	-	-	-	-	-	-	-

Panel Cut Out Assemble Style



Circular Flange (D Cut)

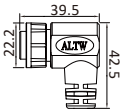
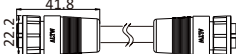
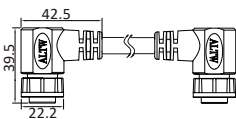
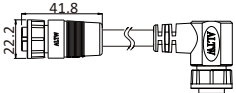
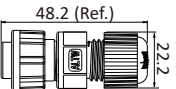
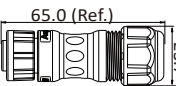


Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

No of Contacts		8			
Rated Voltage (AC/DC)		250 ~ 600V			
Nominal Current		5A		10A+2A	
Plastic / Metal		Plastic			
Pin Assignment		FF	FM	FF	FM
FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACD-08BFFM-LL7A ⑪	ACD-08BFMM-LL7A ⑪	ACBU-08BFFM-LL7A ⑪	ACBU-08BFMM-LL7A ⑪*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACD-08BFFM-LR7A ⑪	ACD-08BFMM-LR7A ⑪*	ACBU-08BFFM-LR7A ⑪*	ACBU-08BFMM-LR7A ⑪*
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACD08FL-ACDFL-LA ⑪	-	AA-ACBU08FL-ACBUFL-LA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACD08BL-ACDBL-LA ⑪	-	AA-ACBU08BL-ACBUBL-LA ⑪
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACD08FR-ACD FR-LA ⑪	-	AA-ACBU08FR-ACBDFR-LA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACD08BL-ACDBL-LA ⑪	-	AA-ACBU08BR-ACBUBR-LA ⑪*
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACD08FL-ACDFR-LA ⑪	-	AA-ACBU08FL-ACBUFR-LA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACD08BL-ACDBR-LA ⑪*	-	AA-ACBU08BL-ACBUBR-LA ⑪*
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm					
	Solder Type	ACD-08BFFA-LL7001	ACD-08BFMA-LL7001	ACBU-08BFFA-LL7001*	ACBU-08BFMA-LL7001*
	Crimp Type	ACD-08BFFC-LL7 ⑪ P0*	ACD-08BFMC-LL7 ⑪ P0	ACBU-08BFFC-LL7 ⑪ P0*	ACBU-08BFMC-LL7 ⑪ P0*

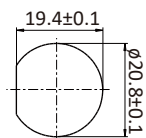
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

8		9		10		12	
250 ~ 600V		250 ~ 600V		250 ~ 600V		250 ~ 600V	
10A+5A		5A		5A		5A	
Plastic		Plastic		Plastic		Plastic	
FF	FM	FF	FM	FF	FM	FF	FM
							
ACBD-08BFFM-LL7A 11	ACBD-08BFMM-LL7A 11	ACD-09BFFM-LL7A 11	ACD-09BFMM-LL7A 11	ACD-10BFFM-LL7A 11	ACD-10BFMM-LL7A 11	ACD-12BFFM-LL7A 11	ACD-12BFMM-LL7A 11
ACBD-08BFFM-LR7A 11 *	ACBD-08BFMM-LR7A 11 *	ACD-09BFFM-LR7A 11	ACD-09BFMM-LR7A 11 *	ACD-10BFFM-LR7A 11	ACD-10BFMM-LR7A 11 *	ACD-12BFFM-LR7A 11	ACD-12BFMM-LR7A 11 *
AA-ACBD08FL-ACBDFL-LA 11	-	AA-ACD09FL-ACDFL-LA 11	-	AA-ACD10FL-ACDFL-LA 11	-	AA-ACD12FL-ACDFL-LA 11	-
-	AA-ACBD08BL-ACBDBL-LA 11	-	AA-ACD09BL-ACDBL-LA 11	-	AA-ACD10BL-ACDBL-LA 11	-	AA-ACD12BL-ACDBL-LA 11
AA-ACBD08FR-ACBDFR-LA 11 *	-	AA-ACD09FR-ACDFR-LA 11	-	AA-ACD10FR-ACDFR-LA 11	-	AA-ACD12FR-ACDFR-LA 11	-
-	AA-ACBD08BR-ACBD BR-LA 11 *	-	AA-ACD09BL-ACDBL-LA 11	-	AA-ACD10BL-ACDBL-LA 11	-	AA-ACD12BL-ACDBL-LA 11
AA-ACBD08FL-ACBDFR-LA 11 *	-	AA-ACD09FL-ACDFR-LA 11	-	AA-ACD10FL-ACDFR-LA 11	-	AA-ACD12FL-ACDFR-LA 11	-
-	AA-ACBD08BL-ACBD BR-LA 11 *	-	AA-ACD09BL-ACDBR-LA 11 *	-	AA-ACD10BL-ACDBR-LA 11 *	-	AA-ACD12BL-ACDBR-LA 11 *
ACBD-08BFFA-LL7001	ACBD-08BFMA-LL7001	ACD-09BFFA-LL7001	ACD-09BFMA-LL7001	ACD-10BFFA-LL7001	ACD-10BFMA-LL7001	ACD-12BFFA-LL7001	ACD-12BFMA-LL7001
ACBD-08BFFC-LL7 11 PO*	ACBD-08BFMC-LL7 11 PO*	ACD-09BFFC-LL7 11 PO*	ACD-09BFMC-LL7 11 PO	ACD-10BFFC-LL7 11 PO*	ACD-10BFMC-LL7 11 PO	ACD-12BFFC-LL7 11 PO*	ACD-12BFMC-LL7 11 PO

Panel Cut Out

Assemble Style



Circular Flange (D Cut)



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

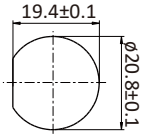
No of Contacts		12		14			
Rated Voltage (AC/DC)		250 ~ 600V		250 ~ 600V			
Nominal Current		5A+2A		5A		5A+2A	
Plastic / Metal		Plastic		Plastic			
Pin Assignment		FF	FM	FF	FM	FF	FM
FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact							
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)							
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾							
	UL2464, PVC Jacket	ACDU-12BFFM-LL7A⑪	ACDU-12BFMM-LL7A⑪	ACD-14BFFM-LL7A⑪	ACD-14BFMM-LL7A⑪	ACDU-14BFFM-LL7A⑪	ACDU-14BFMM-LL7A⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)							
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾							
	UL2464, PVC Jacket	ACDU-12BFFM-LR7A⑪*	ACDU-12BFMM-LR7A⑪*	ACD-14BFFM-LR7A⑪	ACD-14BFMM-LR7A⑪*	ACDU-14BFFM-LR7A⑪*	ACDU-14BFMM-LR7A⑪*
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)							
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM							
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACDU12FL-ACDUFL-LA⑪	-	AA-ACD14FL-ACDFL-LA⑪	-	AA-ACDU14FL-ACDUFL-LA⑪	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACDU12BL-ACDUBL-LA⑪	-	AA-ACD14BL-ACDBL-LA⑪	-	AA-ACDU14BL-ACDUBL-LA⑪
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)							
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM							
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACDU12FR-ACDUFR-LA⑪*	-	AA-ACD14FR-ACDFR-LA⑪	-	AA-ACDU14FR-ACDUFR-LA⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACDU12BR-ACDUBR-LA⑪*	-	AA-ACD14BL-ACDBL-LA⑪	-	AA-ACDU14BR-ACDUBR-LA⑪*
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)							
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM							
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACDU12FL-ACDUFR-LA⑪*	-	AA-ACD14FL-ACDFR-LA⑪	-	AA-ACDU14FL-ACDUFR-LA⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACDU12BL-ACDUBR-LA⑪*	-	AA-ACD14BL-ACDBR-LA⑪*	-	AA-ACDU14BL-ACDUBR-LA⑪*
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)							
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm							
	Solder Type	ACDU-12BFFA-LL7001	ACDU-12BFMA-LL7001	ACD-14BFFA-LL7001	ACD-14BFMA-LL7001	ACDU-14BFFA-LL7001	ACDU-14BFMA-LL7001
	Crimp Type	NEW	ACDU-12BFFC-LL7⑪P0*	ACDU-12BFMC-LL7⑪P0*	ACD-14BFFC-LL7⑪P0*	ACD-14BFMC-LL7⑪P0	ACDU-14BFFC-LL7⑪P0*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out

Assemble Style



Circular Flange (D Cut)


PCB 180°
(P) Receptacle

Solder
(S) Receptacle
(A) Field Serviceable/Installable

Crimp
(C) Field Serviceable/Installable

No of Contacts	2	3	4		
Rated Voltage (AC/DC)	250 ~ 600V	250 ~ 600V	250 ~ 600V		
Nominal Current	20A	20A	2A	10A	
Plastic / Metal	Plastic	Plastic	Plastic		
Pin Assignment	MM	MM	MM	MM	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACC-02PMM5-SC7001	ACC-03PMM5-SC7001	1CU-04PMP-SC7001	ACB-04PMM5-SC7001	ACB-04PMF5-SC7001
	180° PCB Type	1CC-02PMP-SC7001	1CC-03PMP-SC7001	-	1CB-04PMP-SC7001	1CB-04PMFP-SC7001

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACC-02RMM5-SC7001	ACC-03RMM5-SC7001	-	ACB-04RMM5-SC7001	ACB-04RMF5-SC7001

Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾ | Recommended Panel Thickness: (with cap) max. 2.0mm, (without cap) max. 3.0mm

	UL2464, PVC Jacket	-	-	-	ACB-04PMM- SL7A⑪	ACB-04PMF- SL7A⑪

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ACC-02BMM- SL7A⑪*	ACC-03BMM- SL7A⑪*	ACU-04BMM- SL7A⑪*	ACB-04BMM- SL7A⑪*	ACB-04BMF- SL7A⑪*

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: 4.5 ~ 6.5mm

	Solder Type	ACC-02BMA- SL7001*	ACC-03BMA- SL7001*	ACU-04BMA- SL7001*	ACB-04BMA- SL7001*	ACB-04BMFA- SL7001*
	Crimp Type	ACC-02BMC- SL7⑪P0*	ACC-03BMC- SL7⑪P0*	ACU-04BMC- SL7⑪P0*	ACB-04BMC- SL7⑪P0*	ACB-04BMFC- SL7⑪P0*
	Screw-In Type	ACC-02BMB- SL7⑪P0*	ACC-03BMB- SL7⑪P0*	-	-	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact	AA-ACC02ML- ACCML-SA⑪*	AA-ACC03ML- ACCML-SA⑪*	AA-ACU04ML- ACUML-SA⑪*	AA-ACB04ML- ACBML-SA⑪*	-
	End2: Male Conn Male Contact	-	-	-	-	-
	End1: Male Conn Male Contact	AA-ACC02ML- ACCFL-SA⑪*	AA-ACC03ML- ACCFL-SA⑪*	AA-ACU04ML- ACUFL-SA⑪*	AA-ACB04ML- ACBFL-SA⑪*	-
	End2: Female Conn Female Contact	-	-	-	-	-
	End1: Male Conn Female Contact	-	-	-	-	AA-ACB04HL- ACBHL-SA⑪*
	End2: Male Conn Female Contact	-	-	-	-	-
	End1: Male Conn Female Contact	-	-	-	-	AA-ACB04HL- ACBHL-SA⑪*
	End2: Female Conn Male Contact	-	-	-	-	-

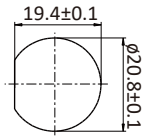
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact	AA-ACC02ML- ACCFL-SA⑪*	AA-ACC03ML- ACCFL-SA⑪*	AA-ACU04ML- ACUFR-SA⑪*	AA-ACB04ML- ACBFR-SA⑪*	-
	End2: Female Conn Female Contact	-	-	-	-	-
	End1: Male Conn Female Contact	-	-	-	-	AA-ACB04HL- ACBBL-SA⑪*
	End2: Female Conn Male Contact	-	-	-	-	-

Panel Cut Out

Assemble Style



Circular Flange (D Cut)


PCB 180°
(P) Receptacle

Solder
(S) Receptacle
(A) Field Serviceable/Installable

Crimp
(C) Field Serviceable/Installable

No of Contacts	5		6	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	10A		10A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACB-05P MM S-SC7001	ACB-05P MF S-SC7001	ACB-06P MM S-SC7001	ACB-06P MF S-SC7001
	180° PCB Type	1CB-05P MM P-SC7001	1CB-05P MF P-SC7001	1CB-06P MM P-SC7001	1CB-06P MF P-SC7001

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACB-05R MM S-SC7001	ACB-05R MF S-SC7001	ACB-06R MM S-SC7001	ACB-06R MF S-SC7001
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Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾ | Recommended Panel Thickness: (with cap) max. 2.0mm, (without cap) max. 3.0mm

	UL2464, PVC Jacket	ACB-05P MM M-SL7A⑪	ACB-05P MF M-SL7A⑪	ACB-06P MM M-SL7A⑪	ACB-06P MF M-SL7A⑪
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ACB-05B MM M-SL7A⑪*	ACB-05B MF M-SL7A⑪*	ACB-06B MM M-SL7A⑪*	ACB-06B MF M-SL7A⑪*
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: 4.5 ~ 6.5mm

	Solder Type	ACB-05B MM A-SL7001*	ACB-05B MF A-SL7001*	ACB-06B MM A-SL7001*	ACB-06B MF A-SL7001*
	Crimp Type	ACB-05B MM C-SL7⑪P0*	ACB-05B MF C-SL7⑪P0*	ACB-06B MM C-SL7⑪P0*	ACB-06B MF C-SL7⑪P0*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact	AA-ACB05 ML -ACB ML -SA⑪*	-	AA-ACB06 ML -ACB ML -SA⑪*	-
	End2: Male Conn Male Contact	AA-ACB05 ML -ACB FL -SA⑪*	-	AA-ACB06 ML -ACB FL -SA⑪*	-
	End1: Male Conn Female Contact	-	AA-ACB05 HL -ACB HL -SA⑪*	-	AA-ACB06 HL -ACB HL -SA⑪*
	End2: Male Conn Female Contact	-	AA-ACB05 HL -ACB BL -SA⑪*	-	AA-ACB06 HL -ACB BL -SA⑪*
	End1: Male Conn Male Contact	-	-	-	-
	End2: Female Conn Male Contact	-	-	-	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact	AA-ACB05 ML -ACB FR -SA⑪*	-	AA-ACB06 ML -ACB FR -SA⑪*	-
	End2: Female Conn Female Contact	-	AA-ACB05 HL -ACB BR -SA⑪*	-	AA-ACB06 HL -ACB BR -SA⑪*

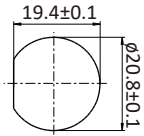
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

7		8						9	
250 ~ 600V		250 ~ 600V						250 ~ 600V	
5A		5A		10A+2A		10A+5A		5A	
Plastic		Plastic						Plastic	
MM	MF	MM	MF	MM	MF	MM	MF	MM	MF
									
ACD-07PMM S -SC7001	ACD-07PMF S -SC7001	ACD-08PMM S -SC7001	ACD-08PMF S -SC7001	ACBU-08PMM S -SC7001*	ACBU-08PMF S -SC7001*	ACBD-08PMM S -SC7001*	ACBD-08PMF S -SC7001	ACD-09PMM S -SC7001	ACD-09PMF S -SC7001
1CD-07PMM P -SC7001	1CD-07PMF P -SC7001	1CD-08PMM P -SC7001	1CD-08PMF P -SC7001	1CBU-08PMM P -SC7001*	1CBU-08PMF P -SC7001*	1CBD-08PMM P -SC7001*	1CBD-08PMF P -SC7001	1CD-09PMM P -SC7001	1CD-09PMF P -SC7001
ACD-07RMM S -SC7001	ACD-07RMF S -SC7001	ACD-08RMM S -SC7001	ACD-08RMF S -SC7001	-	-	-	-	ACD-09RMM S -SC7001	ACD-09RMF S -SC7001
ACD-07PMMM-SL7A ¹¹	ACD-07PMFM-SL7A ¹¹	ACD-08PMMM-SL7A ¹¹	ACD-08PMFM-SL7A ¹¹	-	-	-	-	ACD-09PMMM-SL7A ¹¹	ACD-09PMFM-SL7A ¹¹
ACD-07BMMM-SL7A ¹¹ *	ACD-07BMFM-SL7A ¹¹ *	ACD-08BMMM-SL7A ¹¹ *	ACD-08BMFM-SL7A ¹¹ *	ACBU-08BMMM-SL7A ¹¹ *	ACBU-08BMFM-SL7A ¹¹ *	ACBD-08BMMM-SL7A ¹¹ *	ACBD-08BMFM-SL7A ¹¹ *	ACD-09BMMM-SL7A ¹¹ *	ACD-09BMFM-SL7A ¹¹ *
ACD-07BMMMA-SL7001*	ACD-07BMFA-SL7001*	ACD-07BMMMA-SL7001*	ACD-07BMFA-SL7001*	ACBU-08BMMMA-SL7001*	ACBU-08BMFA-SL7001*	ACBD-08BMMMA-SL7001*	ACBD-08BMFA-SL7001*	ACD-09BMMMA-SL7001*	ACD-09BMFA-SL7001*
ACD-07BMMC-SL7 ¹¹ P0*	ACD-07BMFC-SL7 ¹¹ P0*	ACD-07BMMC-SL7 ¹¹ P0*	ACD-07BMFC-SL7 ¹¹ P0*	ACBU-08BMMC-SL7 ¹¹ P0*	ACBD-08BMFC-SL7 ¹¹ P0*	ACBD-08BMMC-SL7 ¹¹ P0*	ACBD-08BMFC-SL7 ¹¹ P0*	ACD-09BMMC-SL7 ¹¹ P0*	ACD-09BMFC-SL7 ¹¹ P0*

AA-ACD07ML-ACDML-SA ¹¹ *	-	AA-ACD08ML-ACDML-SA ¹¹ *	-	AA-ACBU08ML-ACBURL-SA ¹¹ *	-	AA-ACDU08ML-ACDURL-SA ¹¹ *	-	AA-ACD09ML-ACDML-SA ¹¹ *	-
AA-ACD07ML-ACDFL-SA ¹¹ *	-	AA-ACD08ML-ACDFL-SA ¹¹ *	-	AA-ACBU08ML-ACBUFL-SA ¹¹ *	-	AA-ACDU08ML-ACDUFL-SA ¹¹ *	-	AA-ACD09ML-ACDFL-SA ¹¹ *	-
-	AA-ACD07HL-ACDHL-SA ¹¹ *	-	AA-ACD08HL-ACDHL-SA ¹¹ *	-	AA-ACBU08HL-ACBUHL-SA ¹¹ *	-	AA-ACBD08HL-ACBDHL-SA ¹¹ *	-	AA-ACD09HL-ACDHL-SA ¹¹ *
-	AA-ACD07HL-ACDBL-SA ¹¹ *	-	AA-ACD08HL-ACDBL-SA ¹¹ *	-	AA-ACBU08HL-ACBUBL-SA ¹¹ *	-	AA-ACBD08HL-ACBDBL-SA ¹¹ *	-	AA-ACD09HL-ACDBL-SA ¹¹ *
AA-ACD07ML-ACDFR-SA ¹¹ *	-	AA-ACD08ML-ACDFR-SA ¹¹ *	-	AA-ACBU08ML-ACBUFR-SA ¹¹ *	-	AA-ACBD08ML-ACBDFR-SA ¹¹ *	-	AA-ACD09ML-ACDFR-SA ¹¹ *	-
-	AA-ACD07HL-ACDBR-SA ¹¹ *	-	AA-ACD08HL-ACDBR-SA ¹¹ *	-	AA-ACBU08HL-ACBUBR-SA ¹¹ *	-	AA-ACBD08HL-ACBDBR-SA ¹¹ *	-	AA-ACD09HL-ACDBR-SA ¹¹ *

Panel Cut Out Assemble Style



Circular Flange (D Cut)


PCB 180°
(P) Receptacle

Solder
(S) Receptacle
(A) Field Serviceable/Installable

Crimp
(C) Field Serviceable/Installable

No of Contacts	10		12	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	5A		5A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACD-10 MM S-SC7001	ACD-10 PM FS-SC7001	ACD-12 PM MS-SC7001	ACD-12 PM FS-SC7001
	180° PCB Type	1CD-10 PM MP-SC7001	1CD-10 PM FP-SC7001	1CD-12 PM MP-SC7001	1CD-12 PM FP-SC7001

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACD-10 RM MS-SC7001	ACD-10 RM FS-SC7001	ACD-12 RM MS-SC7001	ACD-12 RM FS-SC7001
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Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾ | Recommended Panel Thickness: (with cap) max. 2.0mm, (without cap) max. 3.0mm

	UL2464, PVC Jacket	ACD-10 PM MM-SL7A⑪	ACD-10 PM FM-SL7A⑪	ACD-12 PM MM-SL7A⑪	ACD-12 PM FM-SL7A⑪
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ACD-10 B MM-SL7A⑪*	ACD-10 B FM-SL7A⑪*	ACD-12 B MM-SL7A⑪*	ACD-12 B FM-SL7A⑪*
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: 4.5 ~ 6.5mm

	Solder Type	ACD-10 B MA-SL7001*	ACD-10 B FA-SL7001*	ACD-12 B MA-SL7001*	ACD-12 B FA-SL7001*
	Crimp Type	ACD-10 B MC-SL7⑪PO*	ACD-10 B FC-SL7⑪PO*	ACD-12 B MC-SL7⑪PO*	ACD-12 B FC-SL7⑪PO*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ACD10 ML -ACDML-SA⑪*	-	AA-ACD12 ML -ACDML-SA⑪*	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ACD10 ML -ACDFL-SA⑪*	-	AA-ACD12 ML -ACDFL-SA⑪*	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-ACD10 HL -ACDHL-SA⑪*	-	AA-ACD12 HL -ACDHL-SA⑪*
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ACD10 HL -ACDBL-SA⑪*	-	AA-ACD12 HL -ACDBL-SA⑪*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ACD10 ML -ACDFR-SA⑪*	-	AA-ACD12 ML -ACDFR-SA⑪*	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ACD10 HL -ACDBR-SA⑪*	-	AA-ACD12 HL -ACDBR-SA⑪*

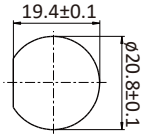
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

12		14			
250 ~ 600V		250 ~ 600V			
5A+2A		5A		5A+2A	
Plastic		Plastic			
MM	MF	MM	MF	MM	MF
					
ACDU-12PMM S -SC7001	ACDU-12PMF S -SC7001	ACD-14PMM S -SC7001	ACD-14PMF S -SC7001	ACDU-14PMM S -SC7001	ACDU-14PMF S -SC7001
1CDU-12PMM P -SC7001	1CDU-12PMF P -SC7001	1CD-14PMM P -SC7001	1CD-14PMF P -SC7001	1CDU-14PMM P -SC7001	1CDU-14PMF P -SC7001
-	-	ACD-14RMM S -SC7001	ACD-14RMF S -SC7001	-	-
-	-	ACD-14PMMM-SL7A ¹¹	ACD-14PMFM-SL7A ¹¹	-	-
ACDU-12BMMM-SL7A ¹¹ *	ACDU-12BMFM-SL7A ¹¹ *	ACD-14BMMM-SL7A ¹¹ *	ACD-14B M FM-SL7A ¹¹ *	ACDU-14BMMM-SL7A ¹¹ *	ACDU-14B M FM-SL7A ¹¹ *
ACDU-12BMMA-SL7001*	ACDU-12BMFA-SL7001*	ACD-14BMMA-SL7001*	ACD-14BMFA-SL7001*	ACDU-14BMMA-SL7001*	ACDU-14BMFA-SL7001*
ACDU-12BMMC-SL7 ¹¹ P0*	ACDU-12BMFC-SL7 ¹¹ P0*	-	ACD-14BMFC-SL7 ¹¹ P0*	ACDU-14BMMC-SL7 ¹¹ P0*	ACDU-14BMFC-SL7 ¹¹ P0*

AA-ACBD12ML-ACBDML-SA ¹¹ *	-	AA-ACD14ML-ACDML-SA ¹¹ *	-	AA-ACBD14ML-ACBDML-SA ¹¹ *	-
AA-ACBD12ML-ACBD FL -SA ¹¹ *	-	AA-ACD14ML-ACD FL -SA ¹¹ *	-	-	-
-	AA-ACDU12HL-ACDUHL-SA ¹¹ *	-	AA-ACD14HL-ACDHL-SA ¹¹ *	-	AA-ACDU14HL-ACDUHL-SA ¹¹ *
-	AA-ACDU12HL-ACDUBL-SA ¹¹ *	-	AA-ACD14HL-ACDBL-SA ¹¹ *	-	AA-ACDU14HL-ACDUBL-SA ¹¹ *
AA-ACDU12ML-ACDUFR-SA ¹¹ *	-	AA-ACD14ML-ACDFR-SA ¹¹ *	-	AA-ACDU14ML-ACDUFR-SA ¹¹ *	-
-	AA-ACDU12HL-ACDUBR-SA ¹¹ *	-	AA-ACD14HL-ACDBR-SA ¹¹ *	-	AA-ACDU14HL-ACDUBR-SA ¹¹ *

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

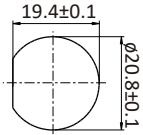
No of Contacts		2	3	4		
Rated Voltage (AC/DC)		250 ~ 600V	250 ~ 600V	250 ~ 600V		
Nominal Current		20A	20A	2A	10A	
Plastic / Metal		Plastic	Plastic	Plastic		
Pin Assignment		FF	FF	FF	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact						
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)						
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾						
	UL2464, PVC Jacket	ACC-02BFFM-SL7A 11	ACC-03BFFM-SL7A 11	ACU-04BFFM-SL7A 11	ACB-04BFFM-SL7A 11	ACB-04BFMM-SL7A 11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)						
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾						
	UL2464, PVC Jacket	ACC-02BFFM-SR7A 11*	ACC-03BFFM-SR7A 11*	ACU-04BFFM-SR7A 11*	ACB-04BFFM-SR7A 11*	ACB-04BFMM-SR7A 11*
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)						
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM						
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACC02FL-ACCFL-SA 11	AA-ACC03FL-ACCFL-SA 11	AA-ACU04FL-ACUFL-SA 11	AA-ACB04FL-ACBFL-SA 11	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	-	-	-	AA-ACB04BL-ACBBL-SA 11
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)						
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM						
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACC02FR-ACCFR-SA 11*	AA-ACC03FR-ACCFR-SA 11*	AA-ACU04FR-ACUFR-SA 11*	AA-ACB04FR-ACBFR-SA 11*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	-	-	-	AA-ACB04BR-ACBBR-SA 11*
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)						
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM						
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACC02FL-ACCFR-SA 11*	AA-ACC03FL-ACCFR-SA 11*	AA-ACU04FL-ACUFR-SA 11*	AA-ACB04FL-ACBFR-SA 11*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	-	-	-	AA-ACB04BL-ACBBR-SA 11*
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)						
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm						
	Solder Type	ACC-02BFFA-SL7001	ACC-03BFFA-SL7001	ACU-04BFFA-SL7001	ACB-04BFFA-SL7001	ACB-04BFMA-SL7001
NEW	Crimp Type	ACC-02BFFC-SL7 11 P0	ACC-03BFFC-SL7 11 P0	ACU-04BFFC-SL7 11 P0*	ACB-04BFFC-SL7 11 P0	ACB-04BFMC-SL7 11 P0
	Crimp Type	ACC-02BFFB-SL7 11 P0*	ACC-03BFFB-SL7 11 P0*	-	-	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

5		6		7		8	
250 ~ 600V		250 ~ 600V		250 ~ 600V		250 ~ 600V	
10A		10A		5A		5A	
Plastic		Plastic		Plastic		Plastic	
FF	FM	FF	FM	FF	FM	FF	FM
							
ACB-05BFFM-SL7A 11	ACB-05BFMM-SL7A 11	ACB-06BFFM-SL7A 11	ACB-06BFMM-SL7A 11	ACD-07BFFM-SL7A 11	ACD-07BFMM-SL7A 11	ACD-08BFFM-SL7A 11	ACD-08BFMM-SL7A 11
ACB-05BFFM-SR7A 11*	ACB-05BFMM-SR7A 11*	ACB-06BFFM-SR7A 11*	ACB-06BFMM-SR7A 11*	ACD-07BFFM-SR7A 11*	ACD-07BFMM-SR7A 11*	ACD-08BFFM-SR7A 11*	ACD-08BFMM-SR7A 11*
AA-ACB05FL-ACBFL-SA 11	-	AA-ACB06FL-ACBFL-SA 11	-	AA-ACD07FL-ACDFL-SA 11	-	AA-ACD08FL-ACDFL-SA 11	-
-	AA-ACB05BL-ACBBL-SA 11	-	AA-ACB06BL-ACBBL-SA 11	-	AA-ACD07BL-ACDBL-SA 11	-	AA-ACD08BL-ACDBL-SA 11
AA-ACB05FR-ACBFR-SA 11*	-	AA-ACB06FR-ACBFR-SA 11*	-	AA-ACD07FR-ACDFR-SA 11*	-	AA-ACD08FR-ACDFR-SA 11*	-
-	-	-	-	-	AA-ACD07BR-ACDBR-SA 11*	-	AA-ACD08BR-ACDBR-SA 11*
AA-ACB05FL-ACBFR-SA 11*	-	AA-ACB06FL-ACBFR-SA 11*	-	AA-ACD07FL-ACDFR-SA 11*	-	AA-ACD08FL-ACDFR-SA 11*	-
-	AA-ACB05BL-ACBFR-SA 11*	-	AA-ACB06BL-ACBFR-SA 11*	-	AA-ACD07BL-ACDBR-SA 11*	-	AA-ACD08BL-ACDBR-SA 11*
ACB-05BFFA-SL7001	ACB-05BFMA-SL7001	ACB-06BFFA-SL7001	ACB-06BFMA-SL7001	ACD-07BFFA-SL7001	ACD-07BFMA-SL7001	ACD-08BFFA-SL7001	ACD-08BFMA-SL7001
ACB-05BFFC-SL7 11 P0	ACB-05BFMC-SL7 11 P0	ACB-06BFFC-SL7 11 P0	ACB-06BFMC-SL7 11 P0	ACD-07BFFC-SL7 11 P0	ACD-07BFMC-SL7 11 P0	ACD-08BFFC-SL7 11 P0	ACD-08BFMC-SL7 11 P0
-	-	-	-	-	-	-	-

Panel Cut Out Assemble Style



Circular Flange (D Cut)

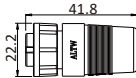
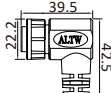
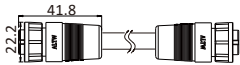
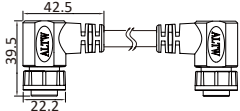
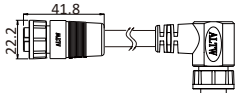
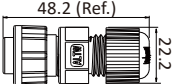
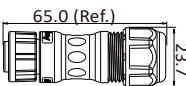


Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

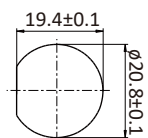
No of Contacts		8			
Rated Voltage (AC/DC)		250 ~ 600V			
Nominal Current		10A+2A		10A+5A	
Plastic / Metal		Plastic			
Pin Assignment		FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACBU-08BFFM-SL7A⑪*	ACBU-08BFMM-SL7A⑪*	ACBD-08BFFM-SL7A⑪	ACBD-08BFMM-SL7A⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACBU-08BFFM-SR7A⑪*	ACBU-08BFMM-SR7A⑪*	ACBD-08BFFM-SR7A⑪*	ACBD-08BFMM-SR7A⑪*
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACBU08FL-ACBUFL-SA⑪*	-	AA-ACBD08FL-ACBDFL-SA⑪	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACBU-08BL-ACBUBL-SA⑪	-	AA-ACBD08BL-ACBDBL-SA⑪
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACBU08FR-ACBUFR-SA⑪*	-	AA-ACBD08FR-ACBDFR-SA⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACBU08BR-ACBUBR-SA⑪*	-	AA-ACBD08BR-ACBDBR-SA⑪*
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACBU08FL-ACBUFR-SA⑪*	-	AA-ACBD08FL-ACBDFR-SA⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACBU08BL-ACBUBR-SA⑪*	-	AA-ACBD08BL-ACBDBR-SA⑪*
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm					
	Solder Type	ACBU-08BFFA-SL7001*	ACBU-08BFMA-SL7001*	ACBD-08BFFA-SL7001	ACBD-08BFMA-SL7001
	Crimp Type	ACBU-08BFFC-SL7⑪P0*	ACBU-08BFMC-SL7⑪P0*	ACBD-08BFFC-SL7⑪P0	ACBD-08BFMC-SL7⑪P0*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

9		10		12			
250 ~ 600V		250 ~ 600V		250 ~ 600V			
5A		5A		5A		5A+2A	
Plastic		Plastic		Plastic			
FF	FM	FF	FM	FF	FM	FF	FM
							
ACD-09BFFM-SL7A 11	ACD-09BFMM-SL7A 11	ACD-10BFFM-SL7A 11	ACD-10BFMM-SL7A 11	ACD-12BFFM-SL7A 11	ACD-12BFMM-SL7A 11	ACDU-12BFFM-SL7A 11	ACDU-12BFMM-SL7A 11
ACD-09BFFM-SR7A 11 *	ACD-09BFMM-SR7A 11 *	ACD-10BFFM-SR7A 11 *	ACD-10BFMM-SR7A 11 *	ACD-12BFFM-SR7A 11 *	ACD-12BFMM-SR7A 11 *	ACDU-12BFFM-SR7A 11 *	ACDU-12BFMM-SR7A 11 *
AA-ACD09FL-ACDFL-SA 11	-	AA-ACD10FL-ACDFL-SA 11	-	AA-ACD12FL-ACDFL-SA 11	-	AA-ACDU12FL-ACDUFL-SA 11	-
-	AA-ACD09BL-ACDBL-SA 11	-	AA-ACD10BL-ACDBL-SA 11	-	AA-ACD12BL-ACDBL-SA 11	-	AA-ACDU12BL-ACDUBL-SA 11
AA-ACD09FR-ACDFR-SA 11 *	-	AA-ACD10FR-ACDFR-SA 11 *	-	AA-ACD12FR-ACDFR-SA 11 *	-	AA-ACDU12FR-ACDUFR-SA 11 *	-
-	AA-ACD09BR-ACDBR-SA 11 *	-	AA-ACD10BR-ACDBR-SA 11 *	-	AA-ACD12BR-ACDBR-SA 11 *	-	AA-ACDU12BR-ACDUBR-SA 11 *
AA-ACD09FL-ACDFR-SA 11 *	-	AA-ACD10FL-ACDFR-SA 11 *	-	AA-ACD07FL-ACDFR-SA 11 *	-	AA-ACDU12FL-ACDUFR-SA 11 *	-
-	AA-ACD09BL-ACDBR-SA 11 *	-	AA-ACD10BL-ACDBR-SA 11 *	-	AA-ACD07BL-ACDBR-SA 11 *	-	AA-ACDU12BL-ACDUBR-SA 11 *
ACD-09BFFA-SL7001	ACD-09BFMA-SL7001	ACD-10BFFA-SL7001	ACD-10BFMA-SL7001	ACD-12BFFA-SL7001	ACD-12BFMA-SL7001	ACDU-12BFFA-SL7001	ACDU-12BFMA-SL7001
ACD-09BFFC-SL7 11 P0	ACD-09BFMC-SL7 11 P0	ACD-10BFFC-SL7 11 P0	ACD-10BFMC-SL7 11 P0	ACD-12BFFC-SL7 11 P0	ACD-12BFMC-SL7 11 P0	ACDU-12BFFC-SL7 11 P0 *	ACBU-12BFMC-SL7 11 P0 *

Panel Cut Out Assemble Style



Circular Flange (D Cut)

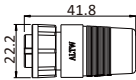
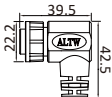
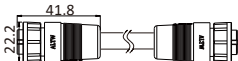
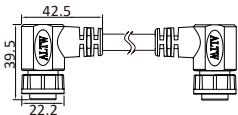
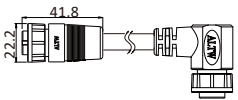
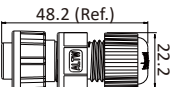
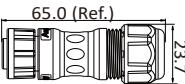


Solder



Crimp

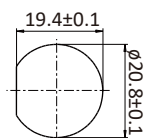
(A) Field Serviceable/Installable (C) Field Serviceable/Installable

No of Contacts		14			
Rated Voltage (AC/DC)		250 ~ 600V			
Nominal Current		5A		5A+2A	
Plastic / Metal		Plastic			
Pin Assignment		FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACD-14BFFM-SL7A ⑪	ACD-14BFMM-SL7A ⑪	ACDU-14BFFM-SL7A ⑪	ACDU-14BFMM-SL7A ⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACD-14BFFM-SR7A ⑪*	ACD-14BFMM-SR7A ⑪*	ACDU-14BFFM-SR7A ⑪*	ACDU-14BFMM-SR7A ⑪*
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACD14FL-ACDFL-SA ⑪	-	AA-ACDU14FL-ACDUFL-SA ⑪	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACD14BL-ACDBL-SA ⑪	-	AA-ACDU14BL-ACDUBL-SA ⑪
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACD14FR-ACDFR-SA ⑪*	-	AA-ACDU14FR-ACDUFR-SA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACD14BR-ACDBR-SA ⑪*	-	AA-ACDU14BR-ACDUBR-SA ⑪*
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACD14FL-ACDFR-SA ⑪*	-	AA-ACDU14FL-ACDUFR-SA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACD14BL-ACDBR-SA ⑪*	-	AA-ACDU14BL-ACDUBR-SA ⑪*
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm					
	Solder Type	ACD-14BFFA-SL7001	ACD-14BFMA-SL7001	ACDU-14BFFA-SL7001	ACDU-14BFMA-SL7001
	Crimp Type	ACD-14BFFC-SL7 ⑪ P0	ACD-14BFMC-SL7 ⑪ P0	ACDU-14BFFC-SL7 ⑪ P0*	ACDU-14BFMC-SL7 ⑪ P0*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out Assemble Style



Circular Flange (D Cut)


Solder
(S) Receptacle

(A) Field Serviceable/Installable



Crimp

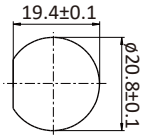
(C) Field Serviceable/Installable

No of Contacts	8	
Rated Voltage (AC/DC)	250 ~ 600V	
Nominal Current	10A+2A	
Plastic / Metal	Plastic	
Pin Assignment	Males / Female Conn. Hybrid (Power+Signal) Contact	
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact	(D) Female Power+Male Signal (E) Male Power+Female Signal	
Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated) Nut Torque Value: 11.5 ~ 14 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm		
	Solder Type Male Power+Female Signal	ACBU-08PMES-TC7001
	Solder Type Female Power+Male Signal	ACBU-08PMDS-TC7001
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated) ¹⁾ Cable Length: (01) 1M ~ (99) 99M		
	UL2464, PVC Jacket Male Power+Female Signal	ACBU-08BMEM-TL7A ¹⁾ *
	UL2464, PVC Jacket Female Power+Male Signal	ACBU-08BMDM-TL7A ¹⁾ *
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated) ¹⁾ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M		
	End 1: (V) Male Conn Male Power Female Signal Contact End 2: (V) Male Conn Male Power Female Signal Contact	AA-ACBU08VL-ACBUVL-TA ¹⁾ *
	End 1: (U) Male Conn Female Power Male Signal Contact End 2: (U) Male Conn Female Power Male Signal Contact	AA-ACBU08UL-ACBUUL-TA ¹⁾ *
	End 1: (V) Male Conn Male Power Female Signal Contact End 2: (W) Female Conn Female Power Male Signal Contact	AA-ACBU08VL-ACBUWL-TA ¹⁾ *
	End 1: (U) Male Conn Female Power Male Signal Contact End 2: (X) Female Conn Male Power Female Signal Contact	AA-ACBU08UL-ACBUXL-TA ¹⁾ *
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated) ¹⁾ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M		
	End 1: (V) Male Conn Male Power Female Signal Contact End 2: (W) Female Conn Female Power Male Signal Contact	AA-ACBU08VL-ACBUWR-TA ¹⁾ *
	End 1: (U) Male Conn Female Power Male Signal Contact End 2: (X) Female Conn Male Power Female Signal Contact	AA-ACBU08UL-ACBUXR-TA ¹⁾ *
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated) Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 7.6 ~ 9.6mm		
	Solder Type Male Power+Female Signal	ACBU-08BMEA-TL7001*
	Solder Type Female Power+Male Signal	ACBU-08BMEC-TL7 ¹⁾ P0*
	Crimp Type Male Power+Female Signal	ACBU-08BMDA-TL7001*
	Crimp Type Female Power+Male Signal	ACBU-08BMDC-TL7 ¹⁾ P0*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out Assemble Style



Circular Flange (D Cut)

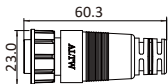
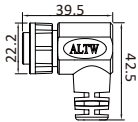
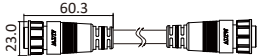
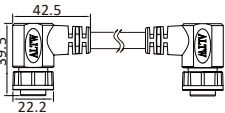
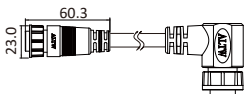
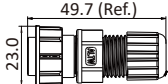
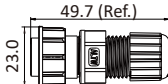


Solder



Crimp

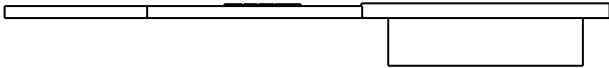
(A) Field Serviceable/Installable (C) Field Serviceable/Installable

No of Contacts		8
Rated Voltage (AC/DC)		250 ~ 600V
Nominal Current		10A+2A
Plastic / Metal		Plastic
Pin Assignment		Males / Female Conn. Hybrid (Power+Signal) Contact
MM: Male Connector Male Contact (D) Female Power+Male Signal FF: Female Connector Female Contact (E) Male Power+Female Signal MF: Male Connector Female Contact FM: Female Connector Male Contact		
Receptacle With Cable, STRAIGHT , IP67 (Unmated)		
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾		
	UL2464, PVC Jacket Male Power+Female Signal	ACBU-08BFD ¹¹ M-TL7A
	UL2464, PVC Jacket Female Power+Male Signal	ACBU-08BF ¹¹ EM-TL7A
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)		
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾		
	UL2464, PVC Jacket Male Power+Female Signal	ACBU-08BFD ¹¹ M-TR7A*
	UL2464, PVC Jacket Female Power+Male Signal	ACBU-08BF ¹¹ EM-TR7A*
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)		
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾		
	End 1: (W) Female Conn Female Power Male Signal Contact End 2: (W) Female Conn Female Power Male Signal Contact	AA-ACBU08WL-ACBUWL-TA ¹¹
	End 1: (X) Female Conn Male Power Female Signal Contact End 2: (X) Female Conn Male Power Female Signal Contact	AA-ACBU08XL-ACBUXL-TA ¹¹
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)		
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾		
	End 1: (W) Female Conn Female Power Male Signal Contact End 2: (W) Female Conn Female Power Male Signal Contact	AA-ACBU08WR-ACBUWR-TA ¹¹ *
	End 1: (X) Female Conn Male Power Female Signal Contact End 2: (X) Female Conn Male Power Female Signal Contact	AA-ACBU08XR-ACBUXR-TA ¹¹ *
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)		
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾		
	End 1: (W) Female Conn Female Power Male Signal Contact End 2: (W) Female Conn Female Power Male Signal Contact	AA-ACBU08WL-ACBUWR-TA ¹¹ *
	End 1: (X) Female Conn Male Power Female Signal Contact End 2: (X) Female Conn Male Power Female Signal Contact	AA-ACBU08XL-ACBUXR-TA ¹¹ *
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated)		
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm		
	Solder Type Male Power+Female Signal	ACBU-08BFD ¹¹ A-TL7001
	Solder Type Female Power+Male Signal	ACBU-08BF ¹¹ E ¹¹ A-TL7001
	Crimp Type Male Power+Female Signal	ACBU-08BFD ¹¹ C-TL7 ¹¹ P0*
	Crimp Type Female Power+Male Signal	ACBU-08BF ¹¹ E ¹¹ C-TL7 ¹¹ P0*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

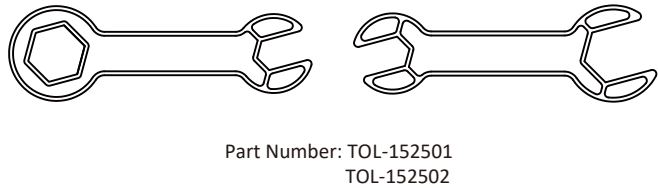
Dust Cap

 With Rubber Lead					
Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Middle Size	Receptacle	Cover	Male	With Rubber Lead	CAP-DACMDPC1
			Female	With Rubber Lead	CAP-DACFDCC1

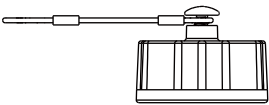
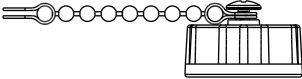
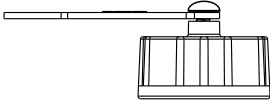
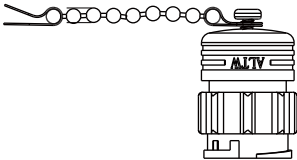
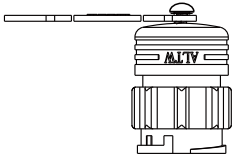
Dummy Cap

			
Size	Mating Part	Mating Style	Part Number
Middle Size	For Enclosure	Screw Thread	CAP-CACFSBA1

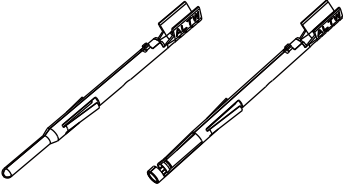
Wrench



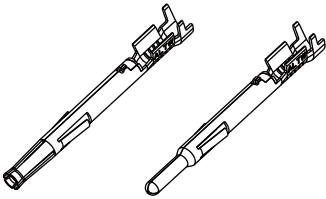
Waterproof Cap

For Mating with Male Connector  NoneWith Rubber LeadWith ChainWith Fish Line					
For Mating with Female Connector  NoneWith Rubber LeadWith Chain					
Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Middle Size	Receptacle	Screw Thread	Male	With Chain	CAP-WACMSPB1
		Screw Thread	Male	With Rubber Lead	CAP-WACMSPC1
		2 Points Lock	Male	With Chain	CAP-WACMLPB1
		2 Points Lock	Female	With Chain	CAP-WACFLPB1
		2 Points Lock	Female	With Rubber Lead	CAP-WACFLPC1
	Overmolded With Cable & Field Installable	Screw Thread	Male	None	CAP-WACMSMA1
		Screw Thread	Male	With Fish Line	CAP-WACMSPD1
		2 Points Lock	Male	None	CAP-WACMLMA1
		2 Points Lock	Male	None	CAP-WACMLPC1
		2 Points Lock	Female	None	CAP-WACFLMA1

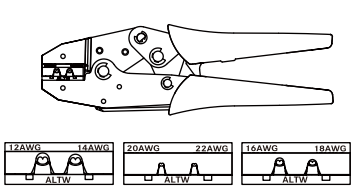
Contacts & Crimp Tool



5A



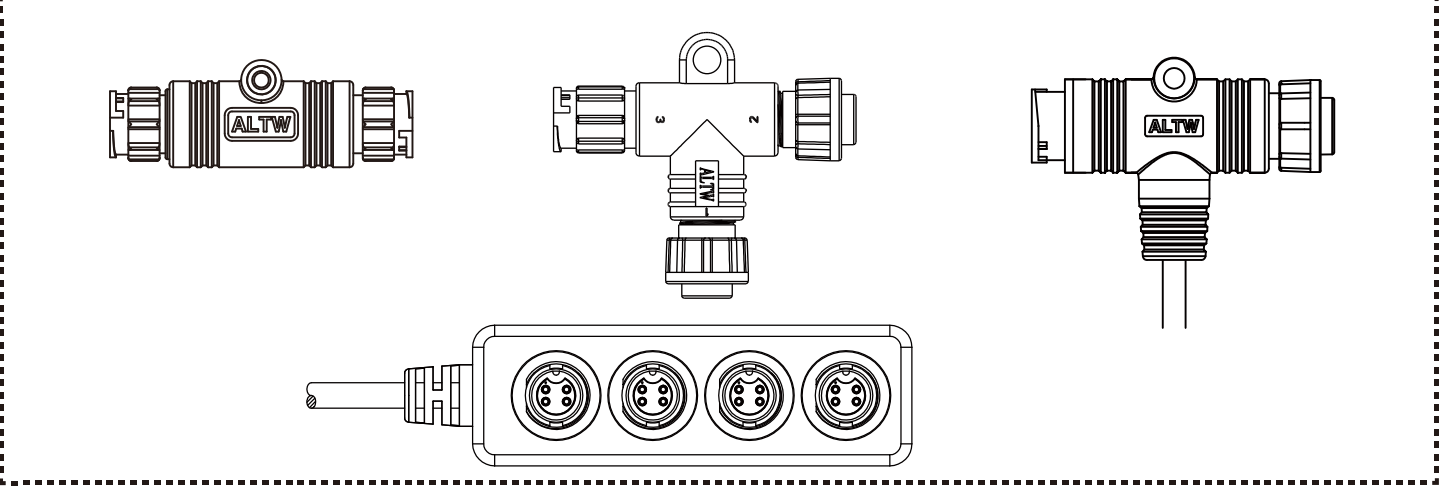
10A/20A



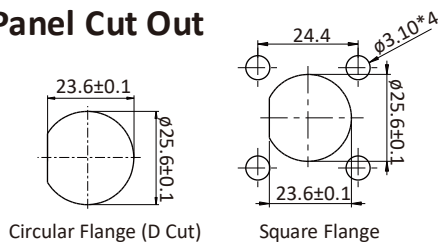
Crimp Tool

Nominal Current	Contact Gender	Part Number	Packages 6	Crimp Tool
5A	Male	ASSP-05-M-A-C-6	(SA) 50pcs / Box (SB) 100pcs / Box (RE) 5A 3,000pcs / Reel 10A 3,000pcs / Reel 20A 2,000pcs / Reel	ASST-C-05-W-A (22 ~ 20AWG 0.34 ~ 0.50mm ²)
	Female	ASSP-05-F-A-C-6		
10A	Male	ASSP-10-M-A-C-6		ASST-C-10-W-B (18 ~ 16AWG 1.50 ~ 0.75mm ²)
	Female	ASSP-10-F-A-C-6		
20A	Male	ASSP-20-M-A-C-6		ASST-C-20-W-C (14 ~ 12AWG 2.50 ~ 4.00mm ²)
	Female	ASSP-20-F-A-C-6		

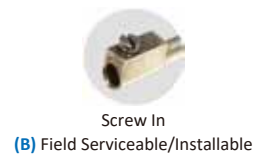
Customization - Upon Request



Panel Cut Out



Assemble Style



No of Contacts	2		3	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	20A		20A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-02PMM S-LC7001	-	ADC-03PMM S-LC7001	-
	180° PCB Type	1DC-02PMM P-LC7001	1DC-02PMF P-LC7001	1DC-03PMM P-LC7001	1DC-03PMF P-LC7001

Receptacle, Square Flange, **FRONT** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-02PMM S-LS7001	-	ADC-03PMM S-LS7001	-
	180° PCB Type	1DC-02PMM P-LS7001	-	1DC-03PMM P-LS7001	-

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-02RMM S-LC7001	-	ADC-03RMM S-LC7001	-
	180° PCB Type	1DC-02RMM P-LC7001	-	1DC-03RMM P-LC7001	-

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾

	UL2464, PVC Jacket	ADC-02BMMM-LL7A ⑪ *	ADC-02BMF M-LL7A ⑪ *	ADC-03BMMM-LL7A ⑪ *	ADC-03BMF M-LL7A ⑪ *

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: (solder) 5.5 ~ 10.8mm / 9.8 ~ 12.4mm, (crimp/screw-in)

(Solder) (Screw-in, Crimp)	Solder Type	ADC-02BMM A-LL7001 *	ADC-02BMF A-LL7001 *	ADC-03BMM A-LL7001 *	ADC-03BMF A-LL7001 *
	Crimp Type	ADC-02BMM C-LL7 ⑪ P0 *	ADC-02BMF C-LL7 ⑪ P0 *	ADC-03BMM C-LL7 ⑪ P0 *	ADC-03BMF C-LL7 ⑪ P0 *
	Screw In Type	1DC-02BMM B-LL7 ⑪ PP	1DC-02BMF B-LL7 ⑪ PP	1DC-03BMM B-LL7 ⑪ PP	1DC-03BMF B-LL7 ⑪ PP

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	(M) End1: Male Conn Male Contact	AA-ADC02ML-ADCML-LA ⑪ *	-	AA-ADC03ML-ADCML-LA ⑪ *	-
	(M) End2: Male Conn Male Contact	AA-ADC02ML-ADCFL-LA ⑪ *	-	AA-ADC03ML-ADCFL-LA ⑪ *	-
	(F) End1: Male Conn Male Contact	-	AA-ADC02HL-ADCHL-LA ⑪ *	-	AA-ADC03HL-ADCHL-LA ⑪ *
	(F) End2: Female Conn Female Contact	-	AA-ADC02HL-ADCBL-LA ⑪ *	-	AA-ADC03HL-ADCBL-LA ⑪ *
	(H) End1: Male Conn Female Contact	-	-	-	-
	(H) End2: Male Conn Female Contact	-	-	-	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

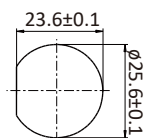
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	(M) End1: Male Conn Male Contact	AA-ADC02ML-ADCFR-LA ⑪ *	-	AA-ADC03ML-ADCFR-LA ⑪ *	-
	(F) End2: Female Conn Female Contact	-	AA-ADC02HL-ADCBL-LA ⑪ *	-	AA-ADC03HL-ADCBL-LA ⑪ *

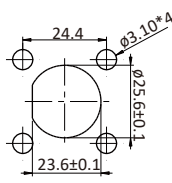
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style

PCB 180°
(P) ReceptacleSolder
(S) Receptacle
(A) Field Serviceable/InstallableCrimp
(C) Field Serviceable/InstallableScrew In
(B) Field Serviceable/Installable

No of Contacts	4		5	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	20A		20A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-04PMMMS-LC7001	-	ADC-05PMMMS-LC7001	-
	180° PCB Type	1DC-04PMMMP-LC7001	1DC-04PMFPLC7001	1DC-05PMMMP-LC7001	1DC-05PMFPLC7001

Receptacle, Square Flange, **FRONT** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-04PMMMS-LS7001	-	ADC-05PMMMS-LS7001	-
	180° PCB Type	1DC-04PMMMP-LS7001	-	1DC-05PMMMP-LS7001	-

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-04RMMMS-LC7001	-	ADC-05RMMMS-LC7001	-
	180° PCB Type	1DC-04RMMMP-LC7001	-	1DC-05RMMMP-LC7001	-

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADC-04BMMM-LL7A⑪*	ADC-04BMFM-LL7A⑪*	ADC-05BMMM-LL7A⑪*	ADC-05BMFM-LL7A⑪*
	[Hybrid] UL2464, PVC Jacket Male Power+Female Signal	-	-	-	-
	[Hybrid] UL2464, PVC Jacket Female Power+Male Signal	-	-	-	-

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: (solder) 5.5 ~ 10.8mm / 9.8 ~ 12.4mm, (crimp/screw-in)

(Solder) (Screw-in, Crimp) 	Solder Type	ADC-04BMMMA-LL7001*	ADC-04BMFMA-LL7001*	ADC-05BMMMA-LL7001*	ADC-05BMFMA-LL7001*
	Crimp Type	ADC-04BMMMC-LL7⑪P0*	ADC-04BMFMC-LL7⑪P0*	ADC-05BMMMC-LL7⑪P0*	ADC-05BMFMC-LL7⑪P0*
	Screw In Type	1DC-04BMMB-LL7⑪PP	1DC-04BMFB-LL7⑪PP	1DC-05BMMB-LL7⑪PP	1DC-05BMFB-LL7⑪PP

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	(M) End1: Male Conn Male Contact	AA-ADC04ML-ADCML-LA⑪*	-	AA-ADC05ML-ADCML-LA⑪*	-
	(M) End2: Male Conn Male Contact	AA-ADC04ML-ADCFL-LA⑪*	-	AA-ADC05ML-ADCFL-LA⑪*	-
	(F) End1: Male Conn Male Contact	-	-	-	-
	(F) End2: Female Conn Female Contact	-	-	-	-
	(H) End1: Male Conn Female Contact	-	AA-ADC04HL-ADCHL-LA⑪*	-	AA-ADC05HL-ADCHL-LA⑪*
	(H) End2: Male Conn Female Contact	-	AA-ADC04HL-ADCHL-LA⑪*	-	AA-ADC05HL-ADCHL-LA⑪*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	(M) End1: Male Conn Male Contact	AA-ADC04ML-ADCFR-LA⑪*	-	AA-ADC05ML-ADCFR-LA⑪*	-
	(F) End2: Female Conn Female Contact	-	-	-	-
	(H) End1: Male Conn Female Contact	-	AA-ADC04HL-ADCBRL-LA⑪*	-	AA-ADC05HL-ADCBRL-LA⑪*
	(B) End2: Female Conn Male Contact	-	AA-ADC04HL-ADCBRL-LA⑪*	-	AA-ADC05HL-ADCBRL-LA⑪*

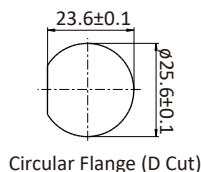
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

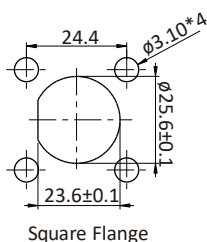
6		7		18		20	21	22
250 ~ 600V		250 ~ 600V		250 ~ 600V		250 ~ 600V	250 ~ 600V	250 ~ 600V
20A		20A		5A		2A	2A	2A
Plastic		Plastic		Plastic		Plastic	Plastic	Plastic
MM	MF	MM	MF	MM	MF	MM	MM	MM
ADC-06PMMMS-LC7001	-	ADC-07PMMMS-LC7001	-	ADD-18PMMMS-LC7001	ADD-18PMFMS-LC7001	ADU-20PMMMS-LC7001	ADU-21PMMMS-LC7001	ADU-22PMMMS-LC7001
1DC-06PMMMP-LC7001	1DC-06PMFMP-LC7001	1DC-07PMMMP-LC7001	1DC-07PMFMP-LC7001	1DD-18PMMMP-LC7001	1DD-18PMFMP-LC7001	1DU-20PMMMP-LC7001	1DU-21PMMMP-LC7001	1DU-22PMMMP-LC7001
ADC-06PMMMS-LS7001	-	ADC-07PMMMS-LS7001	-	ADD-18PMMMS-LS7001	ADD-18PMFMS-LS7001	-	-	-
1DC-06PMMMP-LS7001	-	1DC-07PMMMP-LS7001	-	1DD-18PMMMP-LS7001	1DD-18PMFMP-LS7001	-	-	-
ADC-06RMMMS-LC7001	-	ADC-07RMMMS-LC7001	-	ADD-18RMMMS-LC7001	ADD-18RMFMS-LC7001	-	-	-
ADC-06BMMM-LL7A ^{(11)*}	ADC-06BMFM-LL7A ^{(11)*}	ADC-07BMMM-LL7A ^{(11)*}	ADC-07BMFM-LL7A ^{(11)*}	ADD-18BMMM-LL7A ⁽¹¹⁾	ADD-18BMFM-LL7A ⁽¹¹⁾	ADU-20BMMM-LL7A ^{(11)*}	ADU-21BMMM-LL7A ^{(11)*}	ADU-22BMMM-LL7A ^{(11)*}
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
ADC-06BMMMA-LL7001*	ADC-06BMFA-LL7001*	ADC-07BMMMA-LL7001*	ADC-07BMFA-LL7001*	ADD-18BMMMA-LL7001	ADD-18BMFA-LL7001	ADU-20BMMMA-LL7001*	ADU-21BMMMA-LL7001*	ADU-22BMMMA-LL7001*
ADC-06BMMCLL7 ⁽¹¹⁾ P0*	ADC-06BMFCLL7 ⁽¹¹⁾ P0*	ADC-07BMMCLL7 ⁽¹¹⁾ P0*	ADC-07BMFCLL7 ⁽¹¹⁾ P0*	ADD-18BMMCLL7 ⁽¹¹⁾ P0*	ADD-18BMFCLL7 ⁽¹¹⁾ P0	ADU-20BMMCLL7 ⁽¹¹⁾ P0*	ADU-21BMMCLL7 ⁽¹¹⁾ P0*	ADU-22BMMCLL7 ⁽¹¹⁾ P0*
1DC-06BMMBLL7 ⁽¹¹⁾ PP	1DC-06BMFBLL7 ⁽¹¹⁾ PP	1DC-07BMMBLL7 ⁽¹¹⁾ PP	1DC-07BMFBLL7 ⁽¹¹⁾ PP	-	-	-	-	-

AA-ADC06ML-ADCML-LA ^{(11)*}	-	AA-ADC07ML-ADCML-LA ^{(11)*}	-	AA-ADD18ML-ADDML-LA ⁽¹¹⁾	-	AA-ADU20ML-ADUML-LA ^{(11)*}	AA-ADU21ML-ADUML-LA ^{(11)*}	AA-ADU22ML-ADUML-LA ^{(11)*}
AA-ADC06ML-ADCFL-LA ^{(11)*}	-	AA-ADC07ML-ADCFL-LA ^{(11)*}	-	AA-ADD18ML-ADDFL-LA ⁽¹¹⁾	-	AA-ADU20ML-ADUFL-LA ^{(11)*}	AA-ADU21ML-ADUFL-LA ^{(11)*}	AA-ADU22ML-ADUFL-LA ^{(11)*}
-	AA-ADC06HL-ADCHL-LA ^{(11)*}	-	AA-ADC07HL-ADCHL-LA ^{(11)*}	-	AA-ADD18HL-ADDHL-LA ⁽¹¹⁾	-	-	-
-	AA-ADC06HL-ADCBL-LA ^{(11)*}	-	AA-ADC07HL-ADCBL-LA ^{(11)*}	-	AA-ADD18HL-ADDBL-LA ⁽¹¹⁾	-	-	-
AA-ADC06ML-ADCFR-LA ^{(11)*}	-	AA-ADC07ML-ADCFR-LA ^{(11)*}	-	AA-ADD18ML-ADDFR-LA ⁽¹¹⁾	-	AA-ADU20ML-ADUFR-LA ^{(11)*}	AA-ADU21ML-ADUFR-LA ^{(11)*}	AA-ADU22ML-ADUFR-LA ^{(11)*}
-	AA-ADC06HL-ADCBR-LA ^{(11)*}	-	AA-ADC07HL-ADCBR-LA ^{(11)*}	-	AA-ADD18HL-ADDBR-LA ^{(11)*}	-	-	-

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style


PCB 180°
(P) Receptacle

Solder
(S) Receptacle
(A) Field Serviceable/Installable

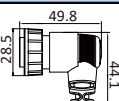
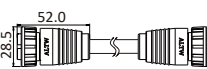
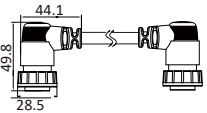
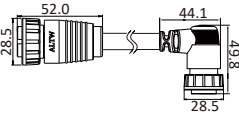
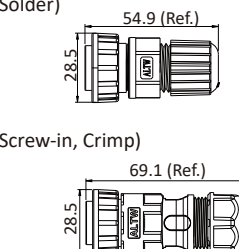
Crimp
(C) Field Serviceable/Installable

Screw In
(B) Field Serviceable/Installable

No of Contacts		8	10	12
Rated Voltage (AC/DC)		250 ~ 600V	250 ~ 600V	250 ~ 600V
Nominal Current		20A+2A	10A	20A+5A
Plastic / Metal		Plastic	Plastic	Plastic
Pin Assignment				
MM : Male Connector Male Contact FF : Female Connector Female Contact (D) Female Power+Male Signal (E) Male Power+Female Signal				
Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated) Nut Torque Value: 11.5 ~ 14 kgf.cm Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm				
	[Hybrid] Solder Type Male Power+Female Signal	ADCU-08P ME S-LC7001	-	ADCD-12P ME S-LC7001
	[Hybrid] Solder Type Female Power+Male Signal	ADCU-08P MD S-LC7001	-	ADCD-12P MD S-LC7001
	[Hybrid] 180° PCB Type Female Power+Male Signal	-	-	1DCD-12P MDP -LC7001
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated) (1) Cable Length: (01) 1M ~ (99) 99M ¹⁾				
	UL2464, PVC Jacket	-	ADB-10B MMM -LL7A (1)	-
	[Hybrid] UL2464, PVC Jacket Male Power+Female Signal	ADCU-08B MEM -LL7B (1)	-	ADCD-12B MEM -LL7A (1)
	[Hybrid] UL2464, PVC Jacket Female Power+Male Signal	ADCU-08B MDM -LL7B (1)	-	ADCD-12B MDM -LL7A (1)
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated) (1) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF				
	(M) End1: Male Conn Male Contact	-	AA-ADB10 ML -ADB ML -LA (1)	-
	(M) End2: Male Conn Male Contact	-	AA-ADB10 ML -ADB FL -LA (1)	-
	(F) End1: Male Conn Male Contact	-	AA-ADB10 ML -ADB FL -LA (1)	-
	(F) End2: Female Conn Female Contact	-	AA-ADB10 ML -ADB FL -LA (1)	-
	[Hybrid] (V) End 1: Male Conn Male Power Female Signal Contact	AA-ADCU08 VL -ADCU VL -LA (1) *	-	AA-ADCD12 VL -ADCD VL -TA (1)
	(V) End 2: Male Conn Male Power Female Signal Contact	AA-ADCU08 VL -ADCU VL -LA (1) *	-	AA-ADCD12 VL -ADCD VL -TA (1)
	[Hybrid] (U) End 1: Male Conn Male Power Female Signal Contact	AA-ADCU08 VL -ADCU VL -LA (1) *	-	AA-ADCD12 VL -ADCD VL -TA (1)
	(W) End 2: Female Conn Female Power Male Signal Contact	AA-ADCU08 VL -ADCU VL -LA (1) *	-	AA-ADCD12 VL -ADCD VL -TA (1)
	[Hybrid] (U) End 1: Male Conn Female Power Male Signal Contact	AA-ADCU08 UL -ADCU UL -LA (1)	-	AA-ADCD12 UL -ADCD UL -LA (1)
	(U) End 2: Male Conn Female Power Male Signal Contact	AA-ADCU08 UL -ADCU UL -LA (1)	-	AA-ADCD12 UL -ADCD UL -LA (1)
STRAIGHT-TO-ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated) (1) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF				
	(M) End1: Male Conn Male Contact	-	AA-ADB10 ML -ADB FR -LA (1) *	-
	(F) End2: Female Conn Female Contact	-	AA-ADB10 ML -ADB FR -LA (1) *	-
	[Hybrid] (V) End 1: Male Conn Male Power Female Signal Contact	AA-ADCU08 VL -ADCU WR -LA (1) *	-	AA-ADCD12 VL -ADCD WR -TA (1)
	(W) End 2: Female Conn Female Power Male Signal Contact	AA-ADCU08 VL -ADCU WR -LA (1) *	-	AA-ADCD12 VL -ADCD WR -TA (1)
	[Hybrid] (U) End 1: Male Conn Female Power Male Signal Contact	AA-ADCU08 UL -ADCU XR -LA (1) *	-	AA-ADCD12 UL -ADCD XR -LA (1)
	(X) End 2: Female Conn Male Power Female Signal Contact	AA-ADCU08 UL -ADCU XR -LA (1) *	-	AA-ADCD12 UL -ADCD XR -LA (1)
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated) Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: (solder) 5.5 ~ 10.8mm / 9.8 ~ 12.4mm, (crimp/screw-in)				
NEW (Solder) (Crimp)	Solder Type	-	ADB-10B MM A-LL7001 *	-
	[Hybrid] Solder Type Male Power+Female Signal	ADCU-08B ME A-LL7001	-	ADCD-12B ME A-LL7001
	[Hybrid] Solder Type Female Power+Male Signal	ADCU-08B MD A-LL7001	-	ADCD-12B MD A-LL7001
	Crimp Type	-	ADB-10B MM C-LL7 (1) P0 *	-
	[Hybrid] Crimp Type Female Power+Male Signal	ADCU-08B MD C-LL7 (1) P0 *	-	ADCD-12B MD C-LL7 (1) P0 *
	[Hybrid] Crimp Type Male Power+Female Signal	ADCU-08B ME C-LL7 (1) P0 *	-	ADCD-12B ME C-LL7 (1) P0

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

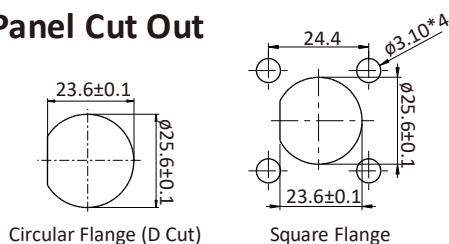
* Upon Request

No of Contacts	2		3	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	20A		20A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact				
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)				
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾				
	UL2464, PVC Jacket	ADC-02BFFM-LL7A⑪	ADC-02BFMM-LL7A⑪*	ADC-03BFFM-LL7A⑪ ADC-03BFMM-LL7A⑪*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)				
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾				
	UL2464, PVC Jacket	ADC-02BFFM-LR7A⑪*	ADC-02BFMM-LR7A⑪*	ADC-03BFFM-LR7A⑪* ADC-03BFMM-LR7A⑪*
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)				
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM				
	(F) End1: Female Conn Female Contact	AA-ADC02FL-ADCFL-LA⑪	-	AA-ADC03FL-ADCFL-LA⑪
	(F) End2: Female Conn Female Contact	-	AA-ADC02BL-ADCBL-LA⑪*	-
	(B) End1: Female Conn Male Contact	-	-	AA-ADC03BL-ADCBL-LA⑪*
	(B) End2: Female Conn Male Contact	-	-	-
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)				
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM				
	(F) End1: Female Conn Female Contact	AA-ADC02FR-ADCFR-LA⑪*	-	AA-ADC03FR-ADCFR-LA⑪*
	(F) End2: Female Conn Female Contact	-	AA-ADC02BR-ADCBR-LA⑪*	-
	(B) End1: Female Conn Male Contact	-	-	AA-ADC03BR-ADCBR-LA⑪*
	(B) End2: Female Conn Male Contact	-	-	-
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)				
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM				
	(F) End1: Female Conn Female Contact	AA-ADC02FL-ADCFR-LA⑪*	-	AA-ADC03FL-ADCFR-LA⑪*
	(F) End2: Female Conn Female Contact	-	AA-ADC02BL-ADCBR-LA⑪*	-
	(B) End1: Female Conn Male Contact	-	-	AA-ADC03BL-ADCBR-LA⑪*
	(B) End2: Female Conn Male Contact	-	-	-
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)				
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm				
	Solder Type	ADC-02BFFA-LL7001	ADC-02BFMA-LL7001*	ADC-03BFFA-LL7001 ADC-03BFMA-LL7001*
	Crimp Type	ADC-02BFFC-LL7⑪P0	ADC-02BFMC-LL7⑪P0*	ADC-03BFFC-LL7⑪P0 ADC-03BFMC-LL7⑪P0*
	Screw In Type	1DC-02BFFB-LL7⑪PP	1DC-02BFMB-LL7001	1DC-03BFFB-LL7⑪PP 1DC-03BFMB-LL7001

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out



Assemble Style



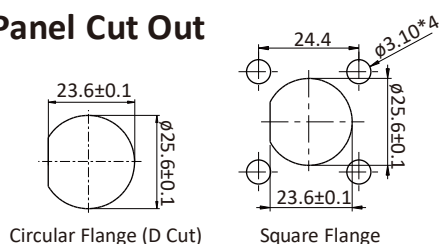
No of Contacts		4	5		
Rated Voltage (AC/DC)		250 ~ 600V	250 ~ 600V		
Nominal Current		20A	20A		
Plastic / Metal		Plastic	Plastic		
Pin Assignment		FF	FM		
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ADC-04BFFM-LL7A⑪	ADC-04BFMM-LL7A⑪*	ADC-05BFFM-LL7A⑪	ADC-05BFMM-LL7A⑪*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ADC-04BFFM-LR7A⑪*	ADC-04BFMM-LR7A⑪*	ADC-05BFFM-LR7A⑪*	ADC-05BFMM-LR7A⑪*
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	(F) End1: Female Conn Female Contact (F) End2: Female Conn Female Contact	AA-ADC04FL-ADCFL-LA⑪	-	AA-ADC05FL-ADCFL-LA⑪	-
	(B) End1: Female Conn Male Contact (B) End2: Female Conn Male Contact	-	AA-ADC04BL-ADCB-LA⑪*	-	AA-ADC05BL-ADCB-LA⑪*
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	(F) End1: Female Conn Female Contact (F) End2: Female Conn Female Contact	AA-ADC04FR-ADCFR-LA⑪*	-	AA-ADC05FR-ADCFR-LA⑪*	-
	(B) End1: Female Conn Male Contact (B) End2: Female Conn Male Contact	-	AA-ADC04BR-ADCBR-LA⑪*	-	AA-ADC05BR-ADCBR-LA⑪*
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	(F) End1: Female Conn Female Contact (F) End2: Female Conn Female Contact	AA-ADC04FL-ADCFR-LA⑪*	-	AA-ADC05FL-ADCFR-LA⑪*	-
	(B) End1: Female Conn Male Contact (B) End2: Female Conn Male Contact	-	AA-ADC04BL-ADCBR-LA⑪*	-	AA-ADC05BL-ADCBR-LA⑪*
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm					
	Solder Type	ADC-04BFFA-LL7001	ADC-04BFMA-LL7001*	ADC-05BFFA-LL7001	ADC-05BFMA-LL7001*
	Crimp Type	ADC-04BFFC-LL7⑪P0	ADC-04BFMC-LL7⑪P0*	ADC-05BFFC-LL7⑪P0	ADC-05BFMC-LL7⑪P0*
	Screw In Type	1DC-04BFFB-LL7⑪PP	1DC-04BFMB-LL7001	1DC-05BFFB-LL7⑪PP	1DC-05BFMB-LL7001

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

6		7		18		20	21	22
250 ~ 600V		250 ~ 600V		250 ~ 600V		250 ~ 600V	250 ~ 600V	250 ~ 600V
20A		20A		5A		2A	2A	2A
Plastic		Plastic		Plastic		Plastic	Plastic	Plastic
FF	FM	FF	FM	FF	FM	FF	FF	FF
								
ADC-06B FFM-LL7A 11		ADC-06B FMM-LL7A 11*		ADC-07B FFM-LL7A 11		ADD-18B FFM-LL7A 11	ADU-20B FFM-LL7A 11	ADU-21B FFM-LL7A 11
ADC-06B FFM-LR7A 11*		ADC-07B FFM-LR7A 11*		ADD-18B FFM-LR7A 11		ADU-20B FFM-LR7A 11*	ADU-21B FFM-LR7A 11*	ADU-22B FFM-LR7A 11*
AA-ADC06FL-ADCFL-LA 11		AA-ADC07FL-ADCFL-LA 11		AA-ADD18FL-ADDFL-LA 11		AA-ADU20FL-ADUFL-LA 11	AA-ADU21FL-ADUFL-LA 11	AA-ADU22FL-ADUFL-LA 11
AA-ADC06BL-ADCBL-LA 11*		AA-ADC07BL-ADCBL-LA 11*		AA-ADD18BL-ADDBL-LA 11		-	-	-
AA-ADC06FR-ADCFR-LA 11*		AA-ADC07FR-ADCFR-LA 11*		AA-ADD18FR-ADDFR-LA 11		AA-ADU20FR-ADUFR-LA 11*	AA-ADU21FR-ADUFR-LA 11*	AA-ADU22FR-ADUFR-LA 11*
AA-ADC06BR-ADCBR-LA 11*		AA-ADC07BR-ADCBR-LA 11*		AA-ADD18BR-ADDBR-LA 11*		-	-	-
AA-ADC06FL-ADCFL-LA 11*		AA-ADC07FL-ADCFL-LA 11*		AA-ADD18FL-ADDFR-LA 11		AA-ADU20FL-ADUFR-LA 11*	AA-ADU21FL-ADUFR-LA 11*	AA-ADU22FL-ADUFR-LA 11*
AA-ADC06BL-ADCBR-LA 11*		AA-ADC07BL-ADCBR-LA 11*		AA-ADD18BL-ADDBR-LA 11*		-	-	-
ADC-06BFFA-LL7001		ADC-06BFMA-LL7001*		ADC-07BFFA-LL7001		ADD-18BFFA-LL7001	ADU-20BFFA-LL7001*	ADU-21BFFA-LL7001*
ADC-06BFFC-LL7 11 P0		ADC-06BFMC-LL7 11 P0*		ADC-07BFFC-LL7 11 P0		ADD-18BFFC-LL7 11 P0*	ADU-20BFFC-LL7 11 P0*	ADU-21BFFC-LL7 11 P0*
1DC-06BFFB-LL7 11 PP		1DC-06BFMB-LL7001		1DC-07BFFB-LL7 11 PP		1DC-07BFMB-LL7001	-	-

Panel Cut Out



Assemble Style

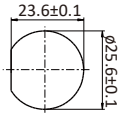


No of Contacts	8	10	12
Rated Voltage (AC/DC)	250 ~ 600V	250 ~ 600V	250 ~ 600V
Nominal Current	20A+2A	10A	20A+5A
Plastic / Metal	Plastic	Plastic	Plastic
Pin Assignment			
FF: Female Connector Female Contact (D) Female Power+Male Signal (E) Male Power+Female Signal			
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M ¹⁾			
	UL2464, PVC Jacket	-	ADB-10BFFM-LL7A ¹¹
	UL2464, PVC Jacket Male Power+Female Signal	ADCU-08BFEM-LL7B ¹¹	-
	UL2464, PVC Jacket Female Power+Male Signal	ADCU-08BFDM-LL7B ¹¹	-
			ADCD-12BFEM-LL7A ¹¹
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M ¹⁾			
	UL2464, PVC Jacket	-	ADB-10BFFM-LR7A ¹¹ *
	UL2464, PVC Jacket Male Power+Female Signal	ADCU-08BFEM-LL7B ¹¹ *	-
	UL2464, PVC Jacket Female Power+Male Signal	ADCU-08BFDM-LR7B ¹¹ *	-
			ADCD-12BFEM-LR7A ¹¹
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated) 11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF			
	(F) End1: Female Conn Female Contact (F) End2: Female Conn Female Contact	-	AA-ADB10FL-ADBFL-LA ¹¹
	(X) End 1: Female Conn Male Power Female Signal Contact (X) End 2: Female Conn Male Power Female Signal Contact	AA-ADCU08GL-ADCUGL-LA ¹¹	-
	(W) End 1: Female Conn Female Power Male Signal Contact (W) End 2: Female Conn Female Power Male Signal Contact	AA-ADCU08AL-ADCUAL-LA ¹¹	-
			AA-ADCD12GL-ADCDGL-LA ¹¹
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated) 11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF			
	(F) End1: Female Conn Female Contact (F) End2: Female Conn Female Contact	-	AA-ADB10FR-ADBFR-LA ¹¹ *
	(X) End 1: Female Conn Male Power Female Signal Contact (X) End 2: Female Conn Male Power Female Signal Contact	AA-ADCU08XR-ADCUXR-LA ¹¹ *	-
	(W) End 1: Female Conn Female Power Male Signal Contact (W) End 2: Female Conn Female Power Male Signal Contact	AA-ADCU08WR-ADCUWR-LA ¹¹ *	-
			AA-ADCD12XR-ADCDXR-LA ¹¹
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated) 11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF			
	(F) End1: Female Conn Female Contact (F) End2: Female Conn Female Contact	-	AA-ADB10FL-ADBFR-LA ¹¹ *
	(W) End 1: Female Conn Female Power Male Signal Contact (W) End 2: Female Conn Female Power Male Signal Contact	AA-ADCU08WL-ADCUWR-LA ¹¹ *	-
	(X) End 1: Female Conn Male Power Female Signal Contact (X) End 2: Female Conn Male Power Female Signal Contact	AA-ADCU08XL-ADCUXR-LA ¹¹ *	-
			AA-ADCD12WL-ADCDWR-LA ¹¹
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated) Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm			
(Solder) 	Solder Type	-	ADB-10BFFA-LL7001*
	Solder Female Power+Male Signal	ADCU-08BFDA-LL7001	-
	[Hybrid] Solder Type Male Power+Female Signal	ADCU-08BFEA-LL7001	-
			ADCD-12BFDA-LL7001
(Crimp) 	Crimp Type	NEW	ADB-10BFFC-LL7 ¹¹ PO*
	Crimp Type Male Power+Female Signal	ADCU-08BFEC-LL7 ¹¹ PO*	-
	Crimp Type Female Power+Male Signal	ADCU-08BFDC-LL7 ¹¹ PO*	-
			ADCD-12BFEC-LL7 ¹¹ PO*

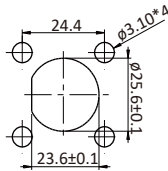
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style


PCB 180°
(P) Receptacle

Solder
(S) Receptacle
(A) Field Serviceable/Installable

Crimp
(C) Field Serviceable/Installable

Screw In
(B) Field Serviceable/Installable

No of Contacts		2			
Rated Voltage (AC/DC)		250 ~ 600V			
Nominal Current		20A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact FF: Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					
Receptacle, Circular Flange, FRONT Fastened Nut, IP67/IP68 (Unmated)					
Nut Torque Value: 11.5 ~ 14 kgf.cm Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm					
	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADC-02PMM S -SC7001	-	-	-
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DC-02PMM P -SC7001	1DC-02PM FP -SC7001	-	-
Receptacle, Square Flange, FRONT Fastened Nut, IP67/IP68 (Unmated)					
Nut Torque Value: 11.5 ~ 14 kgf.cm Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm					
	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADC-02PMM S -SS7001	-	ADSC-02PMM S -SS8001*	ADSC-02PM FS -SS8001*
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DC-02PMM P -SS7001	-	1DSC-02PMM P -SS8001*	1DSC-02PM FP -SS8001*
Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated)					
Nut Torque Value: 11.5 ~ 14 kgf.cm Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm					
	Solder Type	ADC-02RMM S -SC7001	-	-	-
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
① Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ADC-02BMMM-SL7A①*	ADC-02BM FM -SL7A①*	ADSC-02BMMM-SL7A①*	ADSC-02BM FM -SL7A①*
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: (solder) 5.5 ~ 10.8mm / 9.8 ~ 12.4mm, (crimp/screw-in)					
 (Solder) 54.9 (Ref.) (Screw-in, Crimp) 66.1 (Ref.)	NEW Solder Type	ADC-02BMM A -SL7001*	ADC-02BM FA -SL7001*	-	-
	Crimp Type	ADC-02BMM C -SL7 ① P0*	ADC-02BM FC -SL7 ① P0*	-	-
	Screw In Type	1DC-02BMM B -SL7 ① PP	1DC-02BM FB -SL7 ① P0*	-	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ADC02ML-ADCML-SA①*	-	AA-ADSC02ML-ADSCML-SA①*	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADC02ML-ADCFL-SA①*	-	AA-ADSC02ML-ADSCFL-SA①*	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-ADC02HL-ADCHL-SA①*	-	AA-ADSC02HL-ADSCHL-SA①*
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ADC02HL-ADCBL-SA①*	-	AA-ADSC02HL-ADSCBL-SA①*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

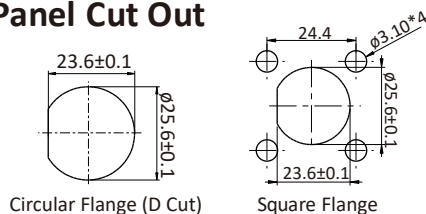
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADC02ML-ADCFR-SA①*	-	AA-ADSC02ML-ADSCFR-SA①*	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ADC02HL-ADCBR-SA①*	-	AA-ADSC02HL-ADSCBR-SA①*

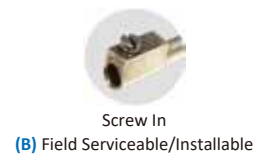
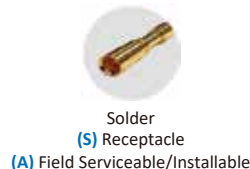
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out



Assemble Style



No of Contacts	3			
Rated Voltage (AC/DC)	250 ~ 600V			
Nominal Current	20A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67/IP68 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADC-03PMM S-SC7001	-	-	-
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DC-03PMM P-SC7001	1DC-03PMM F-SC7001	-	-

Receptacle, Square Flange, **FRONT** Fastened Nut, IP67/IP68 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADC-03PMM S-SS7001	-	ADSC-03PMM S-SS8001*	ADSC-03PMM F-SS8001*
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DC-03PMM P-SS7001	-	1DSC-03PMM P-SS8001*	1DSC-03PMM F-SS8001*

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-03RMM S-SC7001	-	-	-
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADC-03BMM M-SL7A ①*	ADC-03BMM F-SL7A ①*	ADSC-03BMM M-SL7A ①*	ADSC-03BMM F-SL7A ①*
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: (solder) 5.5 ~ 10.8mm / 9.8 ~ 12.4mm, (crimp/screw-in)

	Solder Type	ADC-03BMM A-SL7001*	ADC-03BMM F-SL7001*	-	-
	Crimp Type	ADC-03BMM C-SL7 ① P0*	ADC-03BMM F-C-SL7 ① P0*	-	-
	Screw In Type	1DC-03BMM B-SL7 ① PP	1DC-03BMM F-B-SL7 ① P0*	-	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ADC03ML-ADCML-SA ①*	-	AA-ADSC03ML-ADSCML-SA ①*	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADC03ML-ADCFL-SA ①*	-	AA-ADSC03ML-ADSCFL-SA ①*	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-ADC03HL-ADCHL-SA ①*	-	AA-ADSC03HL-ADSCHL-SA ①*
	End1: Male Conn Female Contact End2: Male Conn Male Contact	-	AA-ADC03HL-ADCBL-SA ①*	-	AA-ADSC03HL-ADSCBL-SA ①*
	End1: Male Conn Female Contact End2: Female Conn Female Contact	-	-	-	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	-	-	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADC03ML-ADCFR-SA ①*	-	AA-ADSC03ML-ADSCFR-SA ①*	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ADC03HL-ADCBR-SA ①*	-	AA-ADSC03HL-ADSCBR-SA ①*

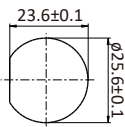
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

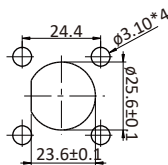
4				5			
250 ~ 600V				250 ~ 600V			
20A				20A			
Plastic		Metal		Plastic		Metal	
MM	MF	MM	MF	MM	MF	MM	MF
ADC-04PMMS-SC7001	-	-	-	ADC-05PMMS-SC7001	-	-	-
1DC-04PMMP-SC7001	1DC-04PMFP-SC7001	-	-	1DC-05PMMP-SC7001	1DC-05PMFP-SC7001	-	-
ADC-04PMMS-SS7001	-	ADSC-04PMMS-SS8001*	ADSC-04PMFS-SS8001*	ADC-05PMMS-SS7001	-	ADSC-05PMMS-SS8001*	ADSC-05PMFS-SS8001*
1DC-04PMMP-SS7001	-	1DSC-04PMMP-SS8001*	1DSC-04PMFP-SS8001*	1DC-05PMMP-SS7001	-	1DSC-05PMMP-SS8001*	1DSC-05PMFP-SS8001*
ADC-04RMMMS-SC7001	-	-	-	ADC-05RMMMS-SC7001	-	-	-
ADC-04BMMM-SL7A 11*	ADC-04BMFM-SL7A 11*	ADSC-04BMMM-SL7A 11*	ADSC-04BMFM-SL7A 11*	ADC-05BMMM-SL7A 11*	ADC-05BMFM-SL7A 11*	ADSC-05BMMM-SL7A 11*	ADSC-05BMFM-SL7A 11*
ADC-04BMMA-SL7001*	ADC-04BMFA-SL7001*	-	-	ADC-05BMMA-SL7001*	ADC-05BMFA-SL7001*	-	-
ADC-04BMMC-SL7 11P0*	ADC-04BMFC-SL7 11P0*	-	-	ADC-05BMMC-SL7 11P0*	ADC-05BMFC-SL7 11P0*	-	-
1DC-04BMMB-SL7 11PP	1DC-04BMFB-SL7 11P0*	-	-	1DC-05BMMB-SL7 11PP	1DC-05BMFB-SL7 11P0*	-	-

AA-ADC04ML-ADCML-SA 11*	-	AA-ADSC04ML-ADSCML-SA 11*	-	AA-ADSC05ML-ADSCML-SA 11*	-	AA-ADSC05ML-ADSCML-SA 11*	-
AA-ADC04ML-ADCFL-SA 11*	-	AA-ADSC04ML-ADSCML-SA 11*	-	AA-ADC05ML-ADCFL-SA 11*	-	AA-ADSC05ML-ADSCFL-SA 11*	-
-	AA-ADC04HL-ADCHL-SA 11*	-	AA-ADSC04HL-ADSCHL-SA 11*	-	AA-ADC05HL-ADCHL-SA 11*	-	AA-ADSC05HL-ADSCHL-SA 11*
-	AA-ADC04HL-ADCBL-SA 11*	-	AA-ADSC04HL-ADSCBL-SA 11*	-	AA-ADC05HL-ADCBL-SA 11*	-	AA-ADSC05HL-ADSCBL-SA 11*
AA-ADC04ML-ADCFR-SA 11*	-	AA-ADSC04ML-ADSCFR-SA 11*	-	AA-ADC05ML-ADCFR-SA 11*	-	AA-ADSC05ML-ADSCFR-SA 11*	-
-	AA-ADC04HL-ADCBR-SA 11*	-	AA-ADSC04HL-ADSCBR-SA 11*	-	AA-ADC05HL-ADCBR-SA 11*	-	AA-ADSC05HL-ADSCBR-SA 11*

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style


PCB 180°
(P) Receptacle

Solder
(S) Receptacle
(A) Field Serviceable/Installable

Crimp
(C) Field Serviceable/Installable

Screw In
(B) Field Serviceable/Installable

No of Contacts	6			
Rated Voltage (AC/DC)	250 ~ 600V			
Nominal Current	20A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF: Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

Receptacle, Circular Flange, FRONT Fastened Nut, IP67/IP68 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADC-06PMM S-SC7001	-	-	-
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DC-06PMM P-SC7001	1DC-06PMF P-SC7001	-	-

Receptacle, Square Flange, FRONT Fastened Nut, IP67/IP68 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADC-06PMM S-SS7001	-	ADSC-06PMM S-SS8001*	ADSC-06PMF S-SS8001*
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DC-06PMM P-SS7001	-	1DSC-06PMM P-SS8001*	1DSC-06PMF P-SS8001*

Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-06RMM S-SC7001	-	-	-
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADC-06BMMM-SL7A ⑪*	ADC-06BMF M-SL7A ⑪*	ADSC-06BMMM-SL7A ⑪*	ADSC-06BMF M-SL7A ⑪*
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Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: (solder) 5.5 ~ 10.8mm / 9.8 ~ 12.4mm, (crimp/screw-in)

(Solder) (Screw-in, Crimp)	NEW Solder Type	ADC-06BMM A-SL7001*	ADC-06BMF A-SL7001*	-	-
	Crimp Type	ADC-06BMM C-SL7 ⑪ P0*	ADC-06BMF C-SL7 ⑪ P0*	-	-
	Screw In Type	1DC-06BMM B-SL7 ⑪ PP	1DC-06BMF B-SL7 ⑪ P0*	-	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ADC06ML-ADCML-SA ⑪*	-	AA-ADSC06ML-ADSCML-SA ⑪*	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADC06ML-ADCFL-SA ⑪*	-	AA-ADSC06ML-ADSCFL-SA ⑪*	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-ADC06HL-ADCHL-SA ⑪*	-	AA-ADSC06HL-ADSCHL-SA ⑪*
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ADC06HL-ADCBL-SA ⑪*	-	AA-ADSC06HL-ADSCBL-SA ⑪*
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADC06ML-ADCFR-SA ⑪*	-	AA-ADSC06ML-ADSCFR-SA ⑪*	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ADC06HL-ADCBR-SA ⑪*	-	AA-ADSC06HL-ADSCBR-SA ⑪*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

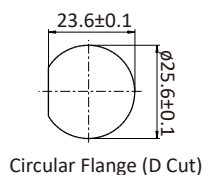
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADC06ML-ADCFR-SA ⑪*	-	AA-ADSC06ML-ADSCFR-SA ⑪*	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ADC06HL-ADCBR-SA ⑪*	-	AA-ADSC06HL-ADSCBR-SA ⑪*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

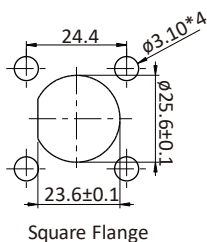
7				10		18			
250 ~ 600V				250 ~ 600V		250 ~ 600V			
20A				10A		5A			
Plastic		Metal		Metal		Plastic		Metal	
MM	MF	MM	MF	MM		MM	MF	MM	MF
ADC-07PMMMS-SC7001	-	-	-	ADSB-10PMMMS-SS8001*	ADD-18PMMMS-SC7001	ADD-18PMFMS-SC7001	-	-	-
1DC-07PMMMP-SC7001	1DC-07PMFMP-SC7001	-	-	1DSB-10PMMMP-SS8001*	1DD-18PMMMP-SC7001	1DD-18PMFMP-SC7001	-	-	-
ADC-07PMMMS-SS7001	-	ADSC-07PMMMS-SS8001*	ADSC-07PMFMS-SS8001*	-	ADD-18PMMMS-SS7001	ADD-18PMFMS-SS7001	ADSD-18PMMMS-SS8001*	ADSD-18PMFMS-SS8001	-
1DC-07PMMMP-SS7001	-	1DSC-07PMMMP-SS8001*	1DSC-07PMFMP-SS8001*	-	-	1DD-18PMFMP-SS7001	1DSD-18PMMMP-SS8001*	1DSD-18PMFMP-SS8001	-
ADC-07RMMMS-SC7001	-	-	-	-	ADD-18RMMMS-SC7001	ADD-18RMFMS-SC7001	-	-	-
ADC-07BMMM-SL7A⑪*	ADC-07BMFMS-SL7A⑪*	ADSC-07BMMM-SL7A⑪*	ADSC-07BMFMS-SL7A⑪*	ADSB-10BMMM-SL7A⑪*	ADD-18BMMM-SL7A⑪*	ADD-18BMFMS-SL7A⑪*	ADSD-18BMMM-SL7A⑪*	ADSD-18BMFMS-SL7A⑪*	-
ADC-07BMMMA-SL7001*	ADC-07BMFA-SL7001*	-	-	-	ADD-18BMMMA-SL7001*	ADD-18BMFA-SL7001*	-	-	-
ADC-07BMMMC-SL7⑪P0*	ADC-07BMFC-SL7⑪P0*	-	-	-	ADD-18BMMMC-SL7⑪P0*	ADD-18BMFC-SL7⑪P0*	-	-	-
1DC-07BMMMB-SL7⑪PP	1DC-07BMFB-SL7⑪P0*	-	-	-	-	-	-	-	-

AA-ADC07ML-ADCML-SA⑪*	-	AA-ADSC07ML-ADSCML-SA⑪*	-	AA-ADSB10ML-ADSBML-SA⑪*	AA-ADD18ML-ADDML-SA⑪*	-	AA-ADSD18ML-ADSDML-SA⑪*	-
AA-ADC07ML-ADCFL-SA⑪*	-	AA-ADSC07ML-ADSCFL-SA⑪*	-	AA-ADSB10ML-ADSBFL-SA⑪*	AA-ADD18ML-ADDFL-SA⑪*	-	AA-ADSD18ML-ADSDFL-SA⑪*	-
-	AA-ADC07HL-ADCHL-SA⑪*	-	AA-ADSC07HL-ADSCHL-SA⑪*	-	-	AA-ADD18HL-ADDHL-SA⑪*	-	AA-ADSD18HL-ADSDHL-SA⑪*
-	AA-ADC07HL-ADCBL-SA⑪*	-	AA-ADSC07HL-ADSCBL-SA⑪*	-	-	AA-ADD18HL-ADDBL-SA⑪*	-	AA-ADSD18HL-ADSDBL-SA⑪*
AA-ADC07ML-ADCFR-SA⑪*	-	AA-ADSC07ML-ADCFR-SA⑪*	-	AA-ADSB10ML-ADSBFR-SA⑪*	AA-ADD18ML-ADDFR-SA⑪*	-	AA-ADSD18ML-ADSDFR-SA⑪*	-
-	AA-ADC07HL-ADCBR-SA⑪*	-	AA-ADSC07HL-ADCBR-SA⑪*	-	-	AA-ADD18HL-ADDBR-SA⑪*	-	AA-ADSD18HL-ADSDBR-SA⑪*

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style


PCB 180°
(P) Receptacle

Solder
(S) Receptacle
(A) Field Serviceable/Installable

Crimp
(C) Field Serviceable/Installable

No of Contacts	20		21	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	2A		2A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	MM		MM	
MM : Male Connector Male Contact FF : Female Connector Female Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67/IP68 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADU-20PMM S-SC7001	ADSU-20PMM S-SS8001 *	ADU-21PMM S-SC7001	ADSU-21PMM S-SS8001 *
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DU-20PMM P-SC7001	1DSU-20PMM P-SS8001 *	1DU-21PMM P-SC7001	1DSU-21PMM P-SS8001 *

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADU-20BMMM-SL7A 11 *	ADSU-20BMMM-SL7A 11 *	ADU-21BMMM-SL7A 11 *	ADSU-21BMMM-SL7A 11 *
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: (solder) 5.5 ~ 10.8mm / 9.8 ~ 12.4mm, (crimp/screw-in)

	NEW Solder Type	ADU-20BMM A-SL7001 *	-	ADU-21BMM A-SL7001 *	-
	Crimp Type	ADU-20BMM C-SL7 11 P0 *	-	ADU-21BMM C-SL7 11 P0 *	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ADU20ML-ADUML-SA 11 *	AA-ADSU20ML-ADSUML-SA 11 *	AA-ADU21ML-ADUML-SA 11 *	AA-ADSU21ML-ADSUML-SA 11 *
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADU20ML-ADUFL-SA 11 *	AA-ADSU20ML-ADSUFL-SA 11 *	AA-ADU21ML-ADUFL-SA 11 *	AA-ADSU21ML-ADSUFL-SA 11 *

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADU20ML-ADUFR-SA 11 *	AA-ADSU20ML-ADSUFR-SA 11 *	AA-ADU21ML-ADUFR-SA 11 *	AA-ADSU21ML-ADSUFR-SA 11 *
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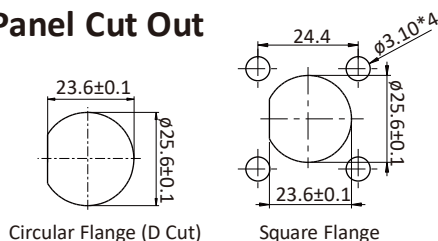
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

22	
250 ~ 600V	
2A	
Plastic	Metal
MM	
	
ADU-22PMM S -SC7001	ADSU-22PMM S -SS8001 *
1DU-22PMM P -SC7001	1DSU-22PMM P -SS8001 *
ADU-22BMMM-SL7A 11 *	ADSU-22BMMM-SL7A 11 *
ADU-22BMM A -SL7001 *	-
ADU-22B MMC -SL7 11 P0 *	-

AA-ADU22 ML -ADU ML -SA 11 *	AA-ADSU22 ML -ADSU ML -SA 11 *
AA-ADU22 ML -ADU FL -SA 11 *	AA-ADSU22 ML -ADSU FL -SA 11 *
AA-ADU22 ML -ADU FR -SA 11 *	AA-ADSU22 ML -ADSU FR -SA 11 *

Panel Cut Out



Assemble Style



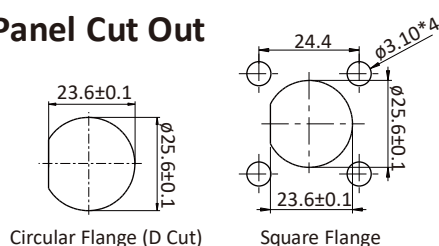
No of Contacts		2			
Rated Voltage (AC/DC)		250 ~ 600V			
Nominal Current		20A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		FF	FM	FF	FM
FF : Female Connector Female Contact FM : Female Connector Male Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ADC-02BFFM-SL7A ⑪	ADC-02BFMM-SL7A ⑪*	ADSC-02BFFM-SL7A ⑪*	ADSC-02BFMM-SL7A ⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ADC-02BFFM-SR7A ⑪*	ADC-02BFMM-SR7A ⑪*	ADSC-02BFFM-SR7A ⑪*	ADSC-02BFMM-SR7A ⑪
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADC02FL-ADCFL-SA ⑪	-	AA-ADSC02FL-ADSCFL-SA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADC02BL-ADCBL-SA ⑪*	-	AA-ADSC02BL-ADSCBL-SA ⑪
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADC02FR-ADCFR-SA ⑪*	-	AA-ADSC02FR-ADSCFR-SA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADC02BR-ADCBR-SA ⑪*	-	AA-ADSC02BR-ADSCBR-SA ⑪
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADC02FL-ADCFR-SA ⑪*	-	AA-ADSC02FL-ADSCFR-SA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADC02BL-ADCBR-SA ⑪*	-	AA-ADSC02BL-ADSCBR-SA ⑪
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm					
 	Solder Type	ADC-02BFFA-SL7001	ADC-02BFMA-SL7001*	-	-
	Crimp Type	NEW ADC-02BFFC-SL7 ⑪ P0	ADC-02BFMC-SL7 ⑪ P0*	-	-
	Screw In Type	NEW 1DC-02BFFB-SL7 ⑪ PP	1DC-02BFMB-SL7001	-	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

3				4			
250 ~ 600V				250 ~ 600V			
20A				20A			
Plastic		Metal		Plastic		Metal	
FF	FM	FF	FM	FF	FM	FF	FM
ADC-03BFFM-SL7A 11	ADC-03BFMM-SL7A 11 *	ADSC-03BFFM-SL7A 11 *	ADSC-03BFMM-SL7A 11	ADC-04BFFM-SL7A 11	ADC-04BFMM-SL7A 11 *	ADSC-04BFFM-SL7A 11 *	ADSC-04BFMM-SL7A 11
ADC-03BFFM-SR7A 11	ADC-03BFMM-SR7A 11 *	ADSC-03BFFM-SR7A 11 *	ADSC-03BFMM-SR7A 11	ADC-04BFFM-SR7A 11	ADC-04BFMM-SR7A 11 *	ADSC-04BFFM-SR7A 11 *	ADSC-04BFMM-SR7A 11
AA-ADC03FL-ADCF-SA 11	-	AA-ADSC03FL-ADSCFL-SA 11 *	-	AA-ADC04FL-ADCF-SA 11	-	AA-ADSC04FL-ADSCFL-SA 11 *	-
-	AA-ADC03BL-ADCB-SA 11 *	-	AA-ADSC03BL-ADSCBL-SA 11	-	AA-ADC04BL-ADCB-SA 11 *	-	AA-ADSC04BL-ADSCBL-SA 11
AA-ADC03FR-ADCFR-SA 11 *	-	AA-ADSC03FR-ADSCFR-SA 11 *	-	AA-ADC04FR-ADCFR-SA 11 *	-	AA-ADSC04FR-ADSCFR-SA 11 *	-
-	AA-ADC03BR-ADCBR-SA 11 *	-	AA-ADSC03BR-ADSCBR-SA 11	-	AA-ADC04BR-ADCBR-SA 11 *	-	AA-ADSC04 BR-ADSCBR-SA 11
AA-ADC03FL-ADCFR-SA 11 *	-	AA-ADSC03FL-ADSCFR-SA 11 *	-	AA-ADC04FL-ADCFR-SA 11 *	-	AA-ADSC04FL-ADSCFR-SA 11 *	-
-	AA-ADC03BL-ADCBR-SA 11 *	-	AA-ADSC03BL-ADSCBR-SA 11	-	AA-ADC04BL-ADCBR-SA 11 *	-	AA-ADSC04 BL-ADSCBR-SA 11
ADC-03BFFA-SL7001	ADC-03BFMA-SL7001 *	-	-	ADC-04BFFA-SL7001	ADC-04BFMA-SL7001 *	-	-
ADC-03BFFC-SL7 11 P0	ADC-03BFMC-SL7 11 P0 *	-	-	ADC-04BFFC-SL7 11 P0	ADC-04BFMC-SL7 11 P0 *	-	-
1DC-03BFFB-SL7 11 PP	1DC-03BFMB-SL7001	-	-	1DC-04BFFB-SL7 11 PP	1DC-04BFMB-SL7001	-	-

Panel Cut Out



Assemble Style



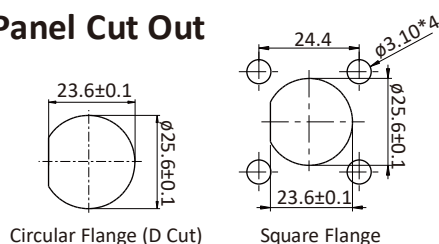
No of Contacts		5			
Rated Voltage (AC/DC)		250 ~ 600V			
Nominal Current		20A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ADC-05BFFM-SL7A 11	ADC-05BFMM-SL7A 11 *	ADSC-05BFFM-SL7A 11 *	ADSC-05BFMM-SL7A 11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ADC-05BFFM-SR7A 11 *	ADC-05BFMM-SR7A 11 *	ADSC-05BFFM-SR7A 11 *	ADSC-05BFMM-SR7A 11
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADC05FL-ADCFL-SA 11	-	AA-ADSC05FL-ADSCFL-SA 11 *	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADC05BL-ADCBL-SA 11 *	-	AA-ADSC05BL-ADSCBL-SA 11
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADC05FR-ADCFR-SA 11 *	-	AA-ADSC05FR-ADSCFR-SA 11 *	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADC05BR-ADCBR-SA 11 *	-	AA-ADSC05BR-ADSCBR-SA 11
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADC05FL-ADCFR-SA 11 *	-	AA-ADSC05FL-ADSCFR-SA 11 *	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADC05BL-ADCBR-SA 11 *	-	AA-ADSC05BL-ADSCBR-SA 11
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm					
	Solder Type	ADC-05BFFA-SL7001	ADC-05BFMA-SL7001 *	-	-
	Crimp Type	NEW ADC-05BFFC-SL7 11 P0	ADC-05BFMC-SL7 11 P0 *	-	-
	Screw In Type	NEW 1DC-05BFFB-SL7 11 PP	1DC-05BFMB-SL7001	-	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

6				7				10
250 ~ 600V				250 ~ 600V				250 ~ 600V
20A				20A				10A
Plastic		Metal		Plastic		Metal		Metal
FF	FM	FF	FM	FF	FM	FF	FM	FF
								
ADC-06BFFM-SL7A 11	ADC-06BFFM-SL7A 11 *	ADSC-06BFFM-SL7A 11 *	ADSC-06BFFM-SL7A 11	ADC-07BFFM-SL7A 11	ADC-07BFFM-SL7A 11 *	ADSC-07BFFM-SL7A 11 *	ADSC-07BFFM-SL7A 11	ADSB-10BFFM-SL7A 11 *
ADC-06BFFM-SR7A 11 *	ADC-06BFFM-SR7A 11 *	ADSC-06BFFM-SR7A 11 *	ADSC-06BFFM-SR7A 11	ADC-07BFFM-SR7A 11 *	ADC-07BFFM-SR7A 11 *	ADSC-07BFFM-SR7A 11 *	ADSC-07BFFM-SR7A 11	ADSB-10BFFM-SR7A 11 *
AA-ADC06FL-ADCFL-SA 11	-	AA-ADSC06FL-ADSCFL-SA 11 *	-	AA-ADC07FL-ADCFL-SA 11	-	AA-ADSC07FL-ADSCFL-SA 11 *	-	AA-ADSB10FL-ADSBFL-SA 11 *
-	AA-ADC06BL-ADCBL-SA 11 *	-	AA-ADSC06BL-ADSCBL-SA 11	-	AA-ADC07BL-ADCBL-SA 11 *	-	AA-ADSC07BL-ADSCBL-SA 11	-
AA-ADC06FR-ADCFR-SA 11 *	-	AA-ADSC06FR-ADSCFR-SA 11 *	-	AA-ADC07FR-ADCFR-SA 11 *	-	AA-ADSC07FR-ADSCFR-SA 11 *	-	AA-ADSB10FR-ADSBFR-SA 11 *
-	AA-ADC06BR-ADCBR-SA 11 *	-	AA-ADSC06BR-ADSCBR-SA 11	-	AA-ADC07BR-ADCBR-SA 11 *	-	AA-ADSC07BR-ADSCBR-SA 11	-
AA-ADC06FL-ADCFR-SA 11 *	-	AA-ADSC06FL-ADSCFR-SA 11 *	-	AA-ADC07FL-ADCFR-SA 11 *	-	AA-ADSC07FL-ADSCFR-SA 11 *	-	AA-ADSB10FL-ADSBFR-SA 11 *
-	AA-ADC06BL-ADCBR-SA 11 *	-	AA-ADSC06BL-ADSCBR-SA 11	-	AA-ADC07BL-ADCBR-SA 11 *	-	AA-ADSC07BL-ADSCBR-SA 11	-
ADC-06BFFA-SL7001	ADC-06BFMA-SL7001 *	-	-	ADC-07BFFA-SL7001	ADC-07BFMA-SL7001 *	-	-	-
ADC-06BFFC-SL7 11 P0	ADC-06BFMC-SL7 11 P0 *	-	-	ADC-07BFFC-SL7 11 P0	ADC-07BFMC-SL7 11 P0 *	-	-	-
1DC-06BFFB-SL7 11 PP	1DC-06BFMB-SL7001	-	-	1DC-07BFFB-SL7 11 PP	1DC-07BFMB-SL7001	-	-	-

Panel Cut Out



Assemble Style



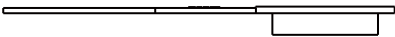
No of Contacts		18			
Rated Voltage (AC/DC)		250 ~ 600V			
Nominal Current		5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ADD-18BFFM-SL7A⑪	ADD-18BFMM-SL7A⑪	ADSD-18BFFM-SL7A⑪*	ADSD-18BFMM-SL7A⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ADD-18BFFM-SR7A⑪	ADD-18BFMM-SR7A⑪*	ADSD-18BFFM-SR7A⑪*	ADSD-18BFMM-SR7A⑪
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADD18FL-ADDFL-SA⑪	-	AA-ADSD18FL-ADSDFL-SA⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADD18BL-ADDBL-SA⑪	-	AA-ADSD18BL-ADSDBL-SA⑪
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADD18FR-ADDFR-SA⑪	-	AA-ADSD18FR-ADSDFR-SA⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADD18BR-ADDBR-SA⑪*	-	AA-ADSD18BR-ADSDBR-SA⑪
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADD18FL-ADDFR-SA⑪	-	AA-ADSD18FL-ADSDFR-SA⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADD18BL-ADDBR-SA⑪*	-	AA-ADSD18BL-ADSDBR-SA⑪
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm Recommended Cable O.D.: 4.5 ~ 6.5mm					
	Solder Type	ADD-18BFFA-SL7001	ADD-18BFMA-SL7001	-	-
	Crimp Type	ADD-18BFFC-SL7⑪P0*	ADD-18BFMC-SL7⑪P0	-	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

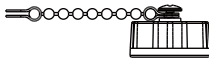
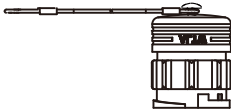
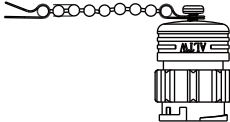
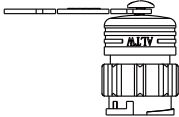
* Upon Request

20		21		22	
250 ~ 600V		250 ~ 600V		250 ~ 600V	
2A		2A		2A	
Plastic	Metal	Plastic	Metal	Plastic	Metal
FF		FF		FF	
					
ADU-20A FFM -SL7A 11	ADSU-20B FFM -SL7A 11 *	ADU-21A FFM -SL7A 11	ADSU-21B FFM -SL7A 11 *	ADU-22A FFM -SL7A 11	ADSU-22B FFM -SL7A 11 *
ADU-20B FFM -SR7A 11 *	ADSU-20B FFM -SR7A 11 *	ADU-21B FFM -SR7A 11 *	ADSU-21B FFM -SR7A 11 *	ADU-22B FFM -SR7A 11 *	ADSU-22B FFM -SR7A 11 *
AA-ADU20FL-ADUFL-SA 11	AA-ADSU20FL-ADSUFL-SA 11 *	AA-ADU21FL-ADUFL-SA 11	AA-ADSU21FL-ADSUFL-SA 11 *	AA-ADU22FL-ADUFL-SA 11	AA-ADSU22FL-ADSUFL-SA 11 *
-	-	-	-	-	-
AA-ADU20FR-ADUFR-SA 11 *	AA-ADSU20FR-ADSUFR-SA 11 *	AA-ADU21FR-ADUFR-SA 11 *	AA-ADSU21FR-ADSUFR-SA 11 *	AA-ADU22FR-ADUFR-SA 11 *	AA-ADSU22FR-ADSUFR-SA 11 *
-	-	-	-	-	-
AA-ADU20FL-ADUFR-SA 11 *	AA-ADSU20FL-ADSUFR-SA 11 *	AA-ADU21FL-ADUFR-SA 11 *	AA-ADSU21FL-ADSUFR-SA 11 *	AA-ADU22FL-ADUFR-SA 11 *	AA-ADSU22FL-ADSUFR-SA 11 *
-	-	-	-	-	-
ADU-20B FFA -SL7001*	-	ADU-21B FFA -SL7001*	-	ADU-22B FFA -SL7001*	-
ADU-20B FFC -SL7 11 P0*	-	ADU-21B FFC -SL7 11 P0*	-	ADU-22B FFC -SL7 11 P0*	-

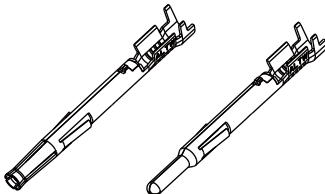
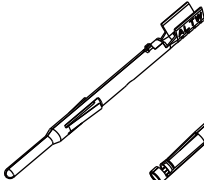
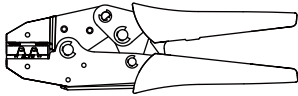
Dust Cap

 With Rubber Lead					
Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Large Size	Receptacle	Cover	Male	With Rubber Lead	CAP-DADMDPC1

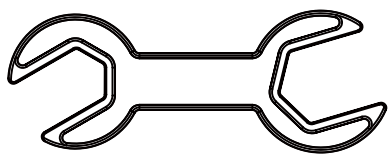
Waterproof Cap

For Mating with Male Connector  NoneWith Rubber LeadWith Chain					
For Mating with Female Connector  NoneWith Rubber LeadWith ChainWith Fish Line					
Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Large Size	Receptacle	Screw Thread	Male	With Chain	CAP-WADMSPB1
		Screw Thread	Male	With Rubber Lead	CAP-WADMSPC1
		2 Points Lock	Female	With Rubber Lead	CAP-WADFLPC1
		2 Points Lock	Male	With Chain	CAP-WADMLPB1
		2 Points Lock	Female	With Chain	CAP-WADFLPB1
		2 Points Lock	Male	With Rubber Lead	CAP-WADMLPC1
	Overmolded With Cable & Field Serviceable/Installable	Screw Thread	Male	None	CAP-WADMSMA1
		2 Points Lock	Male	None	CAP-WADMLMA1
		2 Points Lock	Female	None	CAP-WADFLMA1
		2 Points Lock	Female	With Fish Line	CAP-WADFLMD1

Contacts & Crimp Tool

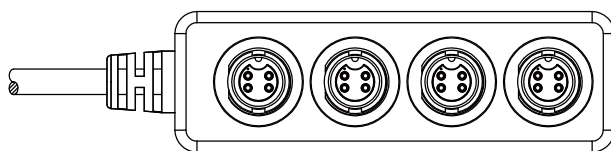
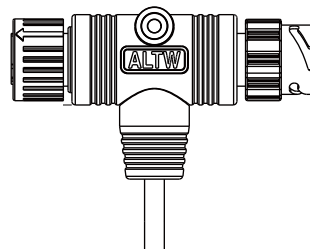
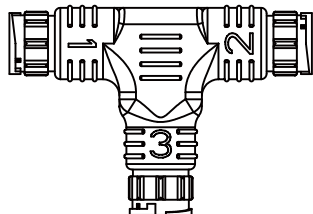
 5A10A/20A  Crimp Tool				
Nominal Current	Contact Gender	Part Number	Packages 6	Crimp Tool
5A	Male	ASSP-05-M-A-C-6	(SA) 50pcs / Box (SB) 100pcs / Box (RE) 5A 3,000pcs / Reel 10A 3,000pcs / Reel 20A 2,000pcs / Reel	ASST-C-05-W-A (22 ~ 20AWG 0.34 ~ 0.50mm ²)
	Female	ASSP-05-F-A-C-6		ASST-C-10-W-B (18 ~ 16AWG 1.50 ~ 0.75mm ²)
10A	Male	ASSP-10-M-A-C-6		ASST-C-20-W-C (14 ~ 12AWG 2.50 ~ 4.00mm ²)
	Female	ASSP-10-F-A-C-6		
20A	Male	ASSP-20-M-A-C-6		
	Female	ASSP-20-F-A-C-6		

Wrench

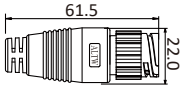
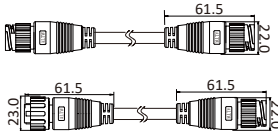
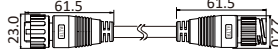
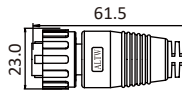
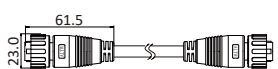
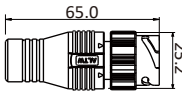
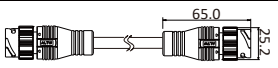
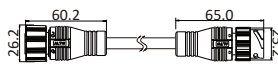
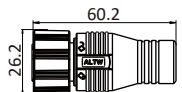
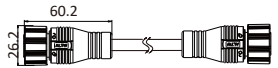


Part Number: TOL-222901

Customization - Upon Request

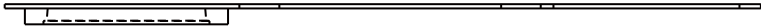


Macro E Size & Other Sizes

No of Contacts		4	8
Rated Voltage (AC/DC)		250V	205V
Nominal Current		10A	10A+5A
Size		MAB	GBD
Plastic / Metal		Plastic	Plastic
Pin Assignment		MF/FM	MM/FF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact			
MAB: Lock Bayonet (2 Points)			
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP67 (Mated)			
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾			
	UL2464, PVC Jacket	MAB-04AMFM-LL7A ¹¹	-
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)			
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (H) MF, (B) FM			
	M Conn F Contact To M Conn F Contact	-	AA-MAB08HL-MABHL-LA ¹¹
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-MAB08HL-MABBL-LA ¹¹
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP67 (Mated)			
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾			
	UL2464, PVC Jacket	MAB-04AFMM-LL7A ¹¹	-
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)			
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (B) FM			
	End1: Female Conn Male Contact End2: Female Conn Male Contact	AA-MAB04BL-MABBL-LA ¹¹	-
GBD: Lock Bayonet (3 Points)			
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)			
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾			
	UL2464, PVC Jacket	-	GBD-08BMMM-TL7A ¹¹
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)			
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF			
	End1: Male Conn Male Contact End2: Male Conn Male Contact	-	AA-GBD08ML-GBDML-TA ¹¹
	End1: Male Conn Male Contact End2: Female Conn Female Contact	-	AA-GBD08ML-GBDFL-TA ¹¹
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)			
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾			
	UL2464, PVC Jacket	-	GBD-08BFFM-TL7A ¹¹
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)			
11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF			
	End1: Female Conn Female Contact End2: Female Conn Female Contact	-	AA-GBD08FL-GBDFL-TA ¹¹

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Dust Cap



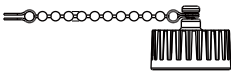
With Rubber Lead

Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
PLD	Receptacle	Cover	Male	With Rubber Lead	CAP-DPLMDPC1

Waterproof Cap



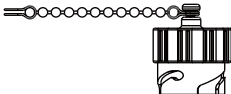
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With Chain



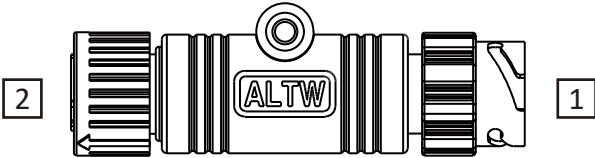
None



With Chain

Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
GBD	Receptacle	3 Points Lock	Male	With Chain	CAP-WEBMTPB1
		3 Points Lock	Female	With Chain	CAP-WEBFTPb1
	Overmolded With Cable & Field Serviceable/Installable	3 Points Lock	Male	None	CAP-WEBMTMA1
		3 Points Lock	Female	None	CAP-WEBFTMA1

I Adaptor



6

For Connector 1

7

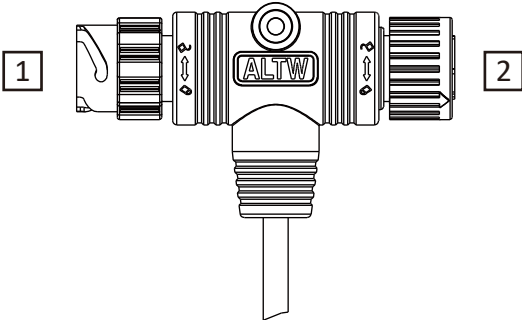
For Connector 2

Connector Gender / Contact Gender

Male / Male (M)

Female / Female (F)

T Cable



5

For Connector 1

6

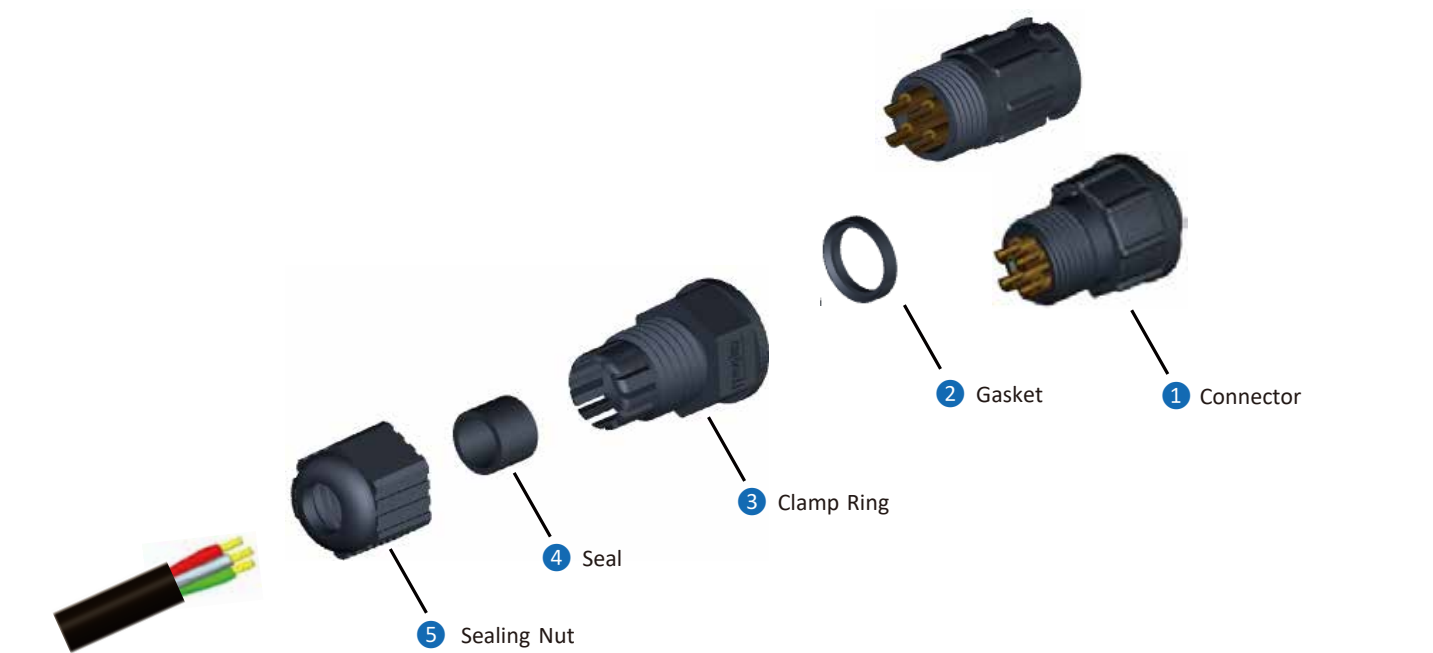
For Connector 2

Connector Gender / Contact Gender

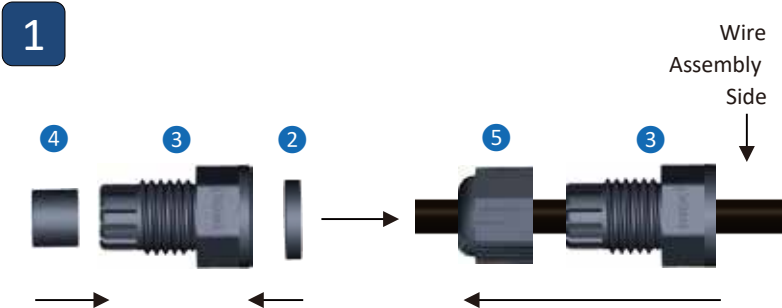
Male / Male (M)

Female / Female (F)

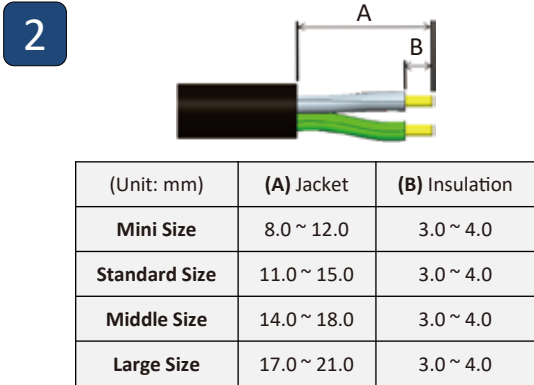
* XX: Choose the cable length: (01) 1M ~ (99) 99M / PVC UL2464 Cable



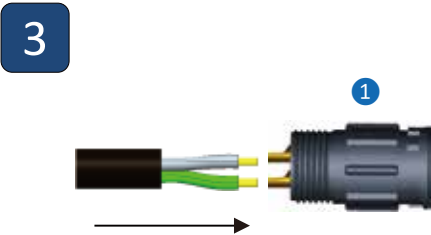
Nominal Current	2A	5A	10A	20A
Wire Range	26 ~ 24 AWG (0.14 ~ 0.25mm ²)	24 ~ 20 AWG (0.25 ~ 0.50mm ²)	20 ~ 16 AWG (0.50 ~ 1.50mm ²)	16 ~ 12 AWG (0.50 ~ 4.00mm ²)
Cable O.D. (Unit: mm)	Mini & Standard Size 4.5 ~ 6.5 Middle Size 4.0 ~ 9.6 Large Size 5.5 ~ 10.8		Mini & Standard Size 4.5 ~ 6.5 Middle Size 4.0 ~ 9.6	Middle Size 4.0 ~ 9.6 Large Size 5.5 ~ 10.8



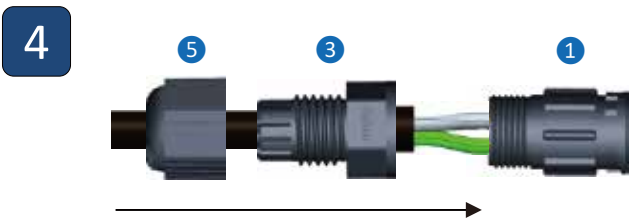
Pre-assemble ④ & ② into ③.
Follow the order from ⑤ to ③ and put components through cable accordingly, no need to assemble here.



Follow suggested stripping length of (A) Jacket, (B) Insulation.

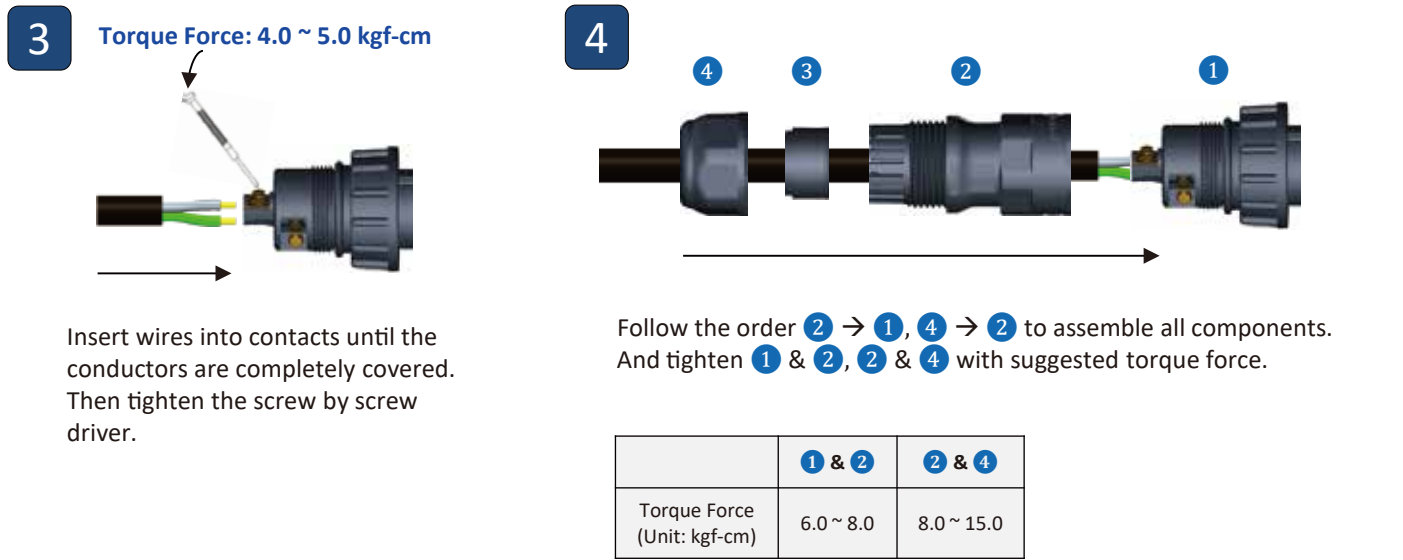
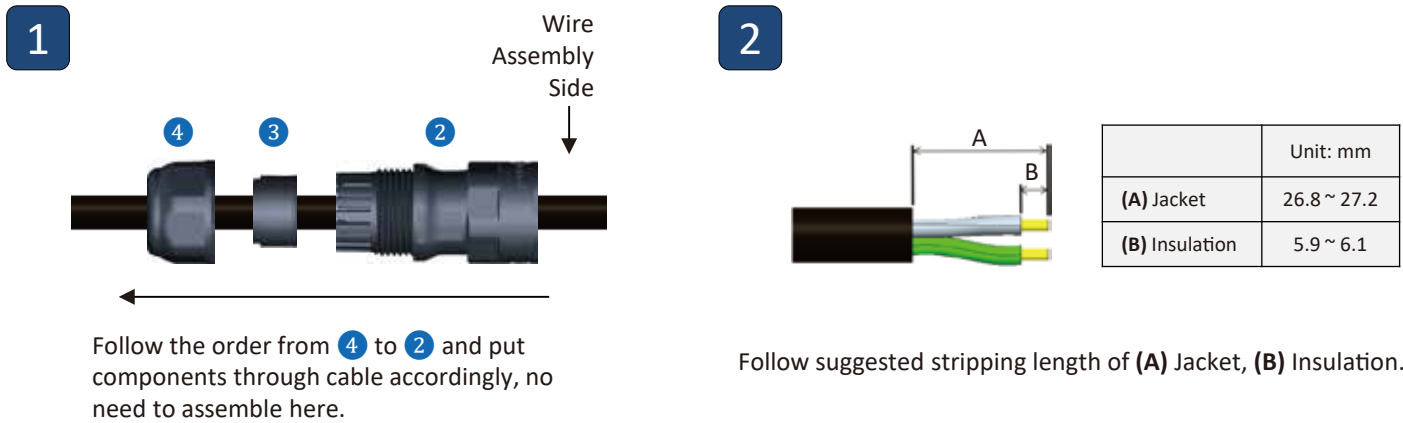
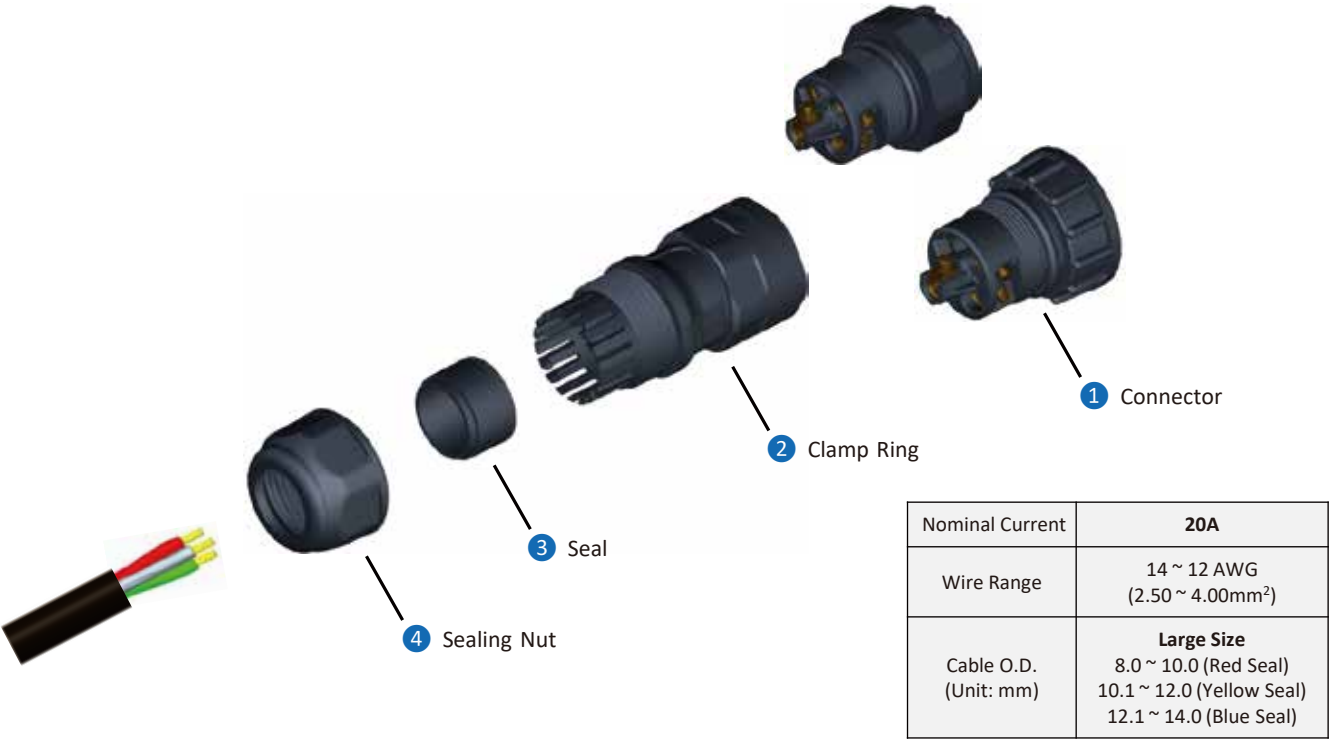


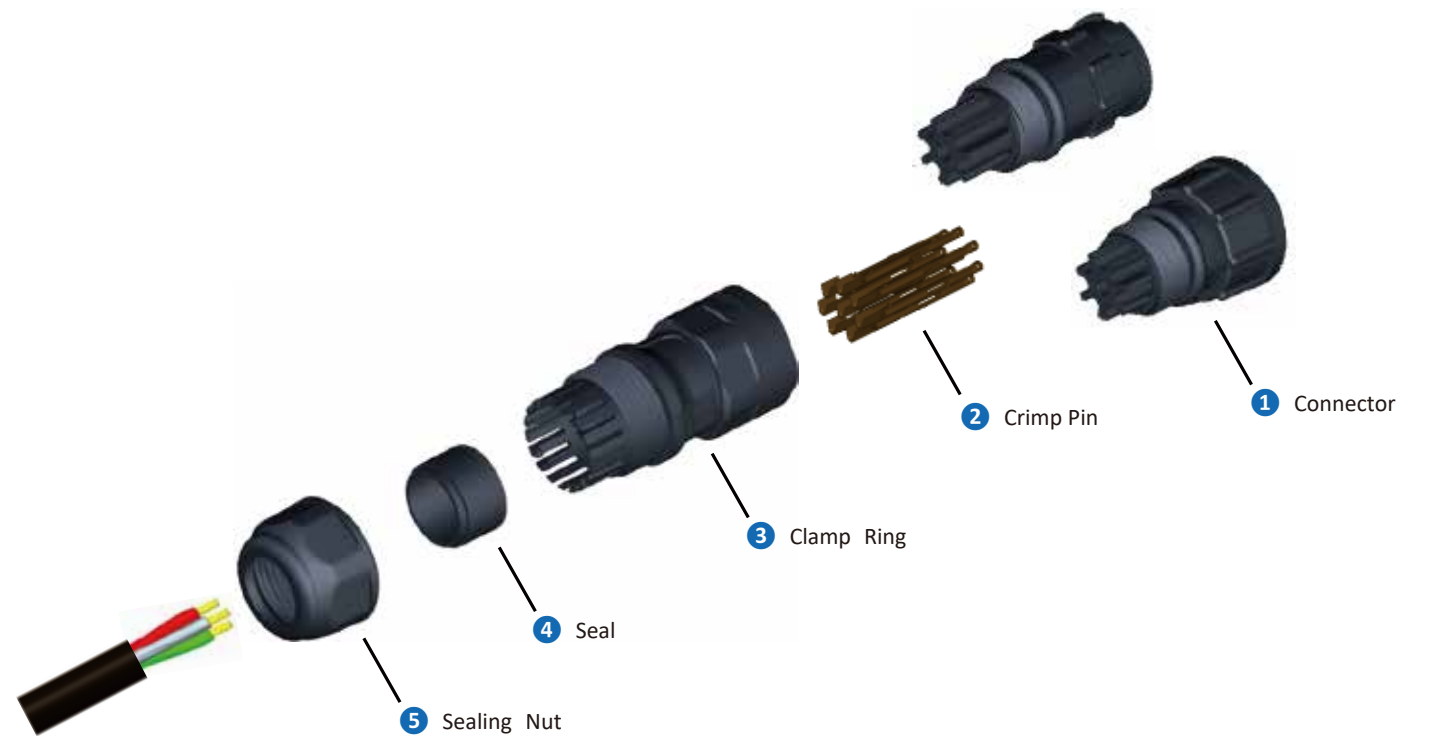
Solder wires onto contacts.



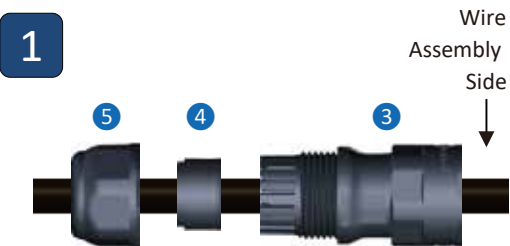
Follow the order ③ → ①, ⑤ → ③ to assemble all components.
And tighten ① & ③, ③ & ⑤ with suggested torque force.

	① & ③ & ⑤
Torque Force (Unit: kgf-cm)	6.0 ~ 8.0





Nominal Current	5A		10A	20A	
Wire Range	22 ~ 20 AWG (0.34 ~ 0.50mm ²)		18 ~ 16 AWG (0.75 ~ 1.50mm ²)	14 ~ 12 AWG (2.50 ~ 4.00mm ²)	
Cable O.D. (Unit: mm)	Standard & Middle Size		Middle Size	Middle Size	Large Size
	5.0 ~ 6.0 (Red Seal)		5.0 ~ 6.0 (Red Seal)	5.0 ~ 6.0 (Red Seal)	8.0 ~ 10.0 (Red Seal)
	6.1 ~ 8.0 (Yellow Seal)		6.1 ~ 8.0 (Yellow Seal)	6.1 ~ 8.0 (Yellow Seal)	10.0 ~ 12.0 (Yellow Seal)
	8.1 ~ 10.0 (Blue Seal)		8.1 ~ 10.0 (Blue Seal)	8.1 ~ 10.0 (Blue Seal)	12.0 ~ 14.0 (Blue Seal)

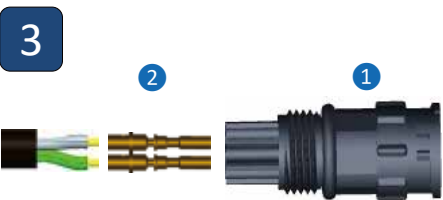


Follow the order from 5 to 3 and put components through cable accordingly, no need to assemble here.

2

(Unit: mm)	(A) Jacket	(B) Insulation
5A	16.0 ~ 18.0	3.5 ~ 4.0
10A	16.0 ~ 18.0	5.0 ~ 5.5
20A	18.0 ~ 20.0	5.0 ~ 5.5

Follow suggested stripping length of (A) Jacket, (B) Insulation.



Terminate conductors onto crimp contacts and insert them into 1 until you hear click sound.



Follow the order 3 → 1, 4 → 3, 5 → 3 to assemble all components. And tighten 1 & 3, 3 & 5 with suggested torque force.

	1 & 3	3 & 5
Torque Force (Unit: kgf-cm)	6.0 ~ 8.0	8.0 ~ 15.0

Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011181	PVC	Black	SJTW	12AWG*2C+Filler	10.70	60.80	163.10
WCA00011226	PVC	Black	SJTW	12AWG*3C	11.20	89.60	222.90
WCA00011182	PVC	Black	SJTW	12AWG*3C+Filler	11.70	89.85	207.67
WCA00011243	PVC	Black	UL2464	12AWG*3C+Filler	10.00	90.00	164.40
WCA00011242	PVC	Black	UL2464	12AWG*4C+Filler	11.00	120.40	228.70
WCA00012002	PVC	Black	SJTW	12AWG*4C+Filler	12.30	122.00	293.00
WCA00011183	PVC	Black	SJTW	12AWG*5C+Filler	13.60	149.50	328.90
WCA00010846	PVC	Black	UL1277, UL1581&UL83	14AWG*3C	9.70	53.80	134.20
WCA0485XX01	PVC	Black	UL2464	14AWG*3C+Talcum	7.00	55.80	100.10
WCA00011884	PU	Black	UL20234	14AWG*5C+Filler+Paper	10.00	115.70	180.00
WCA00012012	PU	Black	UL20234	14AWG*5C+Filler+Paper	10.00	115.70	180.00
WCA00011201	PVC	Black	UL21388	16AWG*2C+AL/Mylar	8.20	23.80	60.20
WCA00011206	PVC	Black	SJTW	16AWG*2C+Filler	8.20	24.25	85.10
WCA0264UV01	PVC	Black	UL2464	16AWG*2C+Talcum	5.80	23.80	57.70
WCA00010942	PVC	Black	UL2464	16AWG*2C+Talcum	7.80	24.20	95.00
WCA00010625	PVC	Black	UL2464	16AWG*3C+AL.Mylar+Drain	7.50	46.80	96.60
WCA00011202	PVC	Black	UL21388	16AWG*3C+AL/Mylar	8.60	35.70	71.50
WCA0579UV01	PVC	Black	UL2464	16AWG*3C+Drain+AL.Mylar	7.50	46.70	97.90
WCA00011207	PVC	Black	SJTW	16AWG*3C+Filler	8.60	36.02	105.21
WCA0285UV01	PVC	Black	UL2464	16AWG*4C+AL.Mylar	7.50	47.60	99.90
WCA00011203	PVC	Black	UL21388	16AWG*4C+AL/Mylar	9.30	47.60	88.40
WCA00011208	PVC	Black	SJTW	16AWG*4C+Filler	9.30	49.00	131.50
WCA00011204	PVC	Black	UL21388	16AWG*5C+AL/Mylar	10.70	59.40	99.80
WCA0263UV01	PVC	Black	UL2464	16AWG*5C+Talcum	7.80	59.50	108.80
WCA00011205	PVC	Black	UL21388	16AWG*6C+AL/PET	11.70	71.30	123.30
WCA0582UV01	PVC	Black	UL2464	16AWG*6C+Filler+Drain+AL.Mylar	9.50	82.10	153.60
WCA0583UV01	PVC	Black	UL2464	16AWG*7C+Drain+AL.Mylar	9.50	93.60	175.70
WCA00011299	PVC	Black	UL2464	18AWG*10C	9.00	77.00	145.00
WCE00010070-43	PVC	Black	UL21996	18AWG*2C+Talcum	3.4*5.3	14.82	36.97
WCE00010074-43	PVC	White	UL21996	18AWG*2C+Talcum	3.4*5.3	14.82	36.97
WCA00010897	PVC	Black	UL1277, UL15, 81&UL83	18AWG*3C	8.50	21.30	81.93
WCA00011209	PVC	Black	SJTW	18AWG*3C+Filler	8.00	21.30	81.93
WCA00010898	PVC	Black	UL1277, UL15, 81&UL83	18AWG*4C	9.20	35.00	125.00
WCE00010071-43	PVC	Black	UL21996	18AWG*4C+Talcum	3.4*9.2	29.64	68.14
WCE00010075-43	PVC	White	UL21996	18AWG*4C+Talcum	3.4*9.2	29.64	68.14
WCA00011240	PVC	Black	UL2464	20AWG*10C+AL.Mylar+Filler	9.00	48.00	116.40
WCA00011192	PVC	Black	UL21388	20AWG*10C+AL/Mylar	8.50	48.00	109.70
WCA00011436	PVC	Black	UL2464	20AWG*12C+AL.Mylar+Filler	9.00	57.60	125.10
WCA00011193	PVC	Black	UL21388	20AWG*12C+AL/Mylar	8.50	57.60	121.70
WCA00011200	PVC	Black	UL21388	20AWG*14C+AL/Mylar	8.50	67.20	130.60
WCA0470XX01	PVC	Black	UL2464	20AWG*14C+Braid	9.50	87.90	161.30
WCA0153XX01	PVC	Black	UL2464	20AWG*18C+AL.Mylar	9.50	86.40	154.20
WCA00011581-43	PVC	Black	UL 21996	20AWG*2C	5.20	9.40	34.02
WCA00011194	PVC	Black	UL21388	20AWG*18C+AL/Mylar	10.00	86.40	174.70
WCA00010781	PVC	Black	UL2464	20AWG*2C+AL.Mylar+Braid	5.50	17.70	41.60
WCA00011184	PVC	Black	UL21388	20AWG*2C+AL/Mylar	5.50	9.60	27.40
WCA0124UV01	PVC	Black	UL2464	20AWG*2C+Drain+AL.Mylar	5.80	14.40	48.40
WCE00010072-43	PVC	Black	UL21996	20AWG*2C+Talcum	3.2*5.0	14.10	41.45
WCE00010076-43	PVC	White	UL21996	20AWG*2C+Talcum	3.2*5.0	14.10	41.45
WCA00011580-43	PVC	Black	UL 21996	20AWG*3C	5.50	14.10	41.45
WCA0489UV01	PVC	Black	UL2464	20AWG*3C+AL.Mylar	5.00	14.40	39.30
WCA00010602	PVC	Black	UL2464	20AWG*3C+AL.Mylar+Braid+Drain	5.50	29.20	61.90
WCA00011185	PVC	Black	UL21388	20AWG*3C+AL/Mylar	5.50	14.40	43.70
WCA00011548-43	PVC	Black	UL 21996	20AWG*4C	6.00	18.80	48.46
WCA00011186	PVC	Black	UL21388	20AWG*4C+AL/Mylar	6.00	19.20	51.40
WCA0575UV01	PVC	Black	UL2464	20AWG*4C+Drain+AL.Mylar	5.50	24.00	52.10
WCE00010073-43	PVC	Black	UL21996	20AWG*4C+Talcum	3.2*8.5	18.80	53.34
WCE00010077-43	PVC	White	UL21996	20AWG*4C+Talcum	3.2*8.5	18.80	53.34
WCA00011187	PVC	Black	UL21388	20AWG*5C+AL/Mylar	6.20	24.00	59.20
WCA0576UV01	PVC	Black	UL2464	20AWG*5C+Drain+AL.Mylar	6.00	28.80	62.70
WCA00011188	PVC	Black	UL21388	20AWG*6C+AL/Mylar	6.80	28.80	71.80
WCA0577UV01	PVC	Black	UL2464	20AWG*6C+Drain+AL.Mylar	6.50	33.60	76.80
WCA00011189	PVC	Black	UL21388	20AWG*7C+AL/Mylar	6.80	33.60	75.80
WCA00010049	PVC	Black	UL2464	20AWG*7C+Drain+AL.Mylar	6.50	38.40	74.80
WCA00010550	PVC	Black	UL2464	20AWG*8C+AL.Mylar+Drain+Filler	6.80	43.00	86.00

Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011190	PVC	Black	UL21388	20AWG*8C+AL/Mylar	7.20	38.40	87.00
WCA00011489-28	PVC	Black	UL2464	20AWG*9C+AL.Mylar+Drain	7.40	48.50	101.80
WCA00011191	PVC	Black	UL21388	20AWG*9C+AL/Mylar	7.60	43.20	97.30
WCA00010868	PVC	Black	UL2464	22AWG*2C+Talcum	4.20	6.20	24.60
WCA00011339	PVC	Yellow	UL2517	22AWG*3C	4.50	9.00	31.50
WCA00011343	PU	Black	UL20549	22AWG*3C	3.80	9.00	26.00
WCA00011459-28	PVC	Black	UL2517	22AWG*3C	4.50	9.30	31.00
WCA00010063	PU	Black	NONUL	22AWG*3C+Talcum	4.50	9.00	26.40
WCA0570UV01	PVC	Black	UL2464	22AWG*3C+Talcum	5.00	9.30	35.20
WCA00011340	PVC	Yellow	UL2517	22AWG*4C	4.80	11.70	40.00
WCA00011344	PU	Black	UL20549	22AWG*4C	4.00	12.00	31.80
WCA00011460-28	PVC	Black	UL2517	22AWG*4C	4.80	12.00	38.00
WCA00011813-01	PVC	Black	UL2517	22AWG*4C+AL.Mylar+Braid	5.30	22.00	46.00
WCA00011872	PU	Black	UL20549	22AWG*4C+AL.Mylar+Braid+Paper	5.30	22.00	48.00
WCA00010062	PU	Black	NONUL	22AWG*4C+Insulation	4.80	12.00	29.40
WCA0571UV01	PVC	Black	UL2464	22AWG*4C+Talcum	5.00	12.40	38.60
WCA00011341	PVC	Yellow	UL2517	22AWG*5C	5.10	15.50	43.80
WCA00011687-01	PVC	Black	UL2517	22AWG*5C+AL.Mylar+Filler+Braid	5.70	26.00	58.00
WCA00011345	PU	Black	UL20549	22AWG*5C+Filler	4.40	15.00	43.50
WCA00011461-28	PVC	Black	UL2517	22AWG*5C+Filler	5.10	15.00	43.00
WCA00011870	PU	Black	UL20549	22AWG*5C+Filler+AL.Mylar+Braid+Paper	5.70	26.00	51.00
WCA00012245	PU	Black	UL20549	22AWG*5C+Filler+Paper	5.60	19.00	51.00
WCA00010061	PU	Black	NONUL	22AWG*5C+Filler+Talcum+Paper	5.00	15.50	38.50
WCA0352XX02	PU	Black	NONUL	22AWG*5C+Talcum	5.00	15.50	47.50
WCA0521UV01	PVC	Black	UL2464	22AWG*5C+Talcum	5.50	15.50	47.50
WCA0556UV01	PVC	Black	UL2464	24AWG*10C+Drain+AL.Mylar	6.50	22.00	63.80
WCA0557UV01	PVC	Black	UL2464	24AWG*12C+Drain+AL.Mylar	7.00	26.00	72.30
WCA0558UV01	PVC	Black	UL2464	24AWG*14C+Drain+AL.Mylar	7.00	30.00	77.10
WCA0465UV01	PVC	Black	UL2464	24AWG*15C+Drain+AL.Mylar	7.00	32.00	77.60
WCA0560UV01	PVC	Black	UL2464	24AWG*18C+Drain+AL.Mylar	8.00	38.00	100.70
WCA0284UV01	PVC	Black	UL2464	24AWG*25C+Drain+AL.Mylar	9.00	51.90	130.90
WCA0072UV01	PVC	Black	UL2464	24AWG*2C+Drain+AL.Mylar	4.20	6.00	24.00
WCA0027UV01	PVC	Black	UL2464	24AWG*2C+Talcum	4.20	4.00	22.70
WCA00010114	PVC	Black	UL2464	24AWG*37C+Drain+AL/Mylar	9.50	74.00	153.20
WCA00011746-03	PVC	Black	UL2517	24AWG*3C+AL.Mylar+Braid	4.60	13.10	31.30
WCA0549UV01	PVC	Black	UL2464	24AWG*3C+Drain+AL.Mylar	4.50	8.00	29.00
WCA0006UV01	PVC	Black	UL2464	24AWG*3C+Talcum	4.50	6.00	27.70
WCA00011726-03	PVC	Black	UL2517	24AWG*4C+AL.Mylar+Braid	5.00	16.40	38.50
WCA0219UV01	PVC	Black	UL2464	24AWG*4C+Drain+AL.Mylar	5.80	10.00	45.60
WCA0036UV01	PVC	Black	UL2464	24AWG*4C+Talcum	5.00	8.00	32.40
WCA00011584-43	PVC	Black	UL 21996	24AWG*5C	5.50	9.88	41.20
WCA0551UV01	PVC	Black	UL2464	24AWG*5C+Drain+AL.Mylar	5.00	12.00	37.00
WCA0229UV01	PVC	Black	UL2464	24AWG*5C+Talcum	5.00	10.00	34.40
WCA00011583-43	PVC	Black	UL 21996	24AWG*6C	5.80	11.86	45.21
WCA00011214	PVC	Black	UL2464	24AWG*6C+AL.Mylar	5.00	12.00	39.40
WCA0217UV01	PVC	Black	UL2464	24AWG*6C+Drain+AL.Mylar	5.80	14.00	45.00
WCA00011479-28	PVC	Black	UL2517	24AWG*6C+Filler	5.00	12.00	40.00
WCA00012067	PVC	Black	UL21388	24AWG*6C+Filler+AL.Mylar	5.20	11.40	35.40
WCA00011421	PVC	Yellow	UL2517	24AWG*6C+Filler+Talcum	5.00	17.60	49.20
WCA00011422	PU	Black	UL20549	24AWG*6C+Filler+Talcum	5.00	13.00	34.00
WCA0087UV01	PVC	Black	UL2464	24AWG*7C+Drain+AL/Mylar	5.80	16.00	51.00
WCA00011342	PVC	Yellow	UL2517	24AWG*8C	5.50	15.50	48.00
WCA00011346	PU	Black	UL20549	24AWG*8C	4.80	15.50	35.00
WCA00011462-28	PVC	Black	UL2517	24AWG*8C	5.50	15.50	48.00
WCA00011698-01	PVC	Black	UL2517	24AWG*8C+AL.Mylar+Filler+Braid	5.80	27.00	60.00
WCA0003UV01	PVC	Black	UL2464	24AWG*8C+Drain+AL/Mylar	5.50	18.00	45.70
WCA00012066	PVC	Black	UL21388	24AWG*8C+Filler+AL.Mylar	5.60	15.20	43.40
WCA00011814-01	PU	Black	UL20549	24AWG*8C+Filler+AL.Mylar+Braid+Paper	5.80	26.00	51.00
WCA00012341	PU	Black	UL20549	24AWG*8C+Filler+Paper	6.70	19.00	65.00
WCA0203UV01	PVC	Black	UL2464	24AWG*8C+Talcum	5.50	16.00	45.30
WCA0528UV01	PVC	Black	UL2464	24AWG*9C+Drain+AL.Mylar	6.00	20.00	54.80
WCA0540UV01	PVC	Black	UL2464	26AWG*6C+Drain+AL.Mylar	5.00	9.80	33.70
WCA0543UV01	PVC	Black	UL2464	26AWG*10C+Drain+AL.Mylar	6.00	15.00	50.30
WCA00011400	PU	Black	UL20549	26AWG*10C+Filler	6.00	14.00	48.00
WCA00011401	PVC	Yellow	UL2517	26AWG*10C+Filler	6.00	14.00	52.00

Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011463-01	PVC	Black	UL2517	26AWG*10C+Filler	6.00	14.00	52.00
WCA00011380	PU	Black	UL20549	26AWG*12C	6.00	16.00	47.00
WCA00011402	PVC	Yellow	UL2517	26AWG*12C	6.00	17.00	54.00
WCA00011464-01	PVC	Black	UL2517	26AWG*12C	6.00	17.00	55.00
WCA00011782-01	PVC	Black	UL2517	26AWG*12C+AL.Mylar+Braid	6.40	25.00	63.00
WCA00011871	PU	Black	UL20549	26AWG*12C+AL.Mylar+Braid+Paper	6.40	28.00	60.00
WCA0544UV01	PVC	Black	UL2464	26AWG*12C+Drain+AL.Mylar	6.00	17.60	53.10
WCA0545UV01	PVC	Black	UL2464	26AWG*15C+Drain+AL.Mylar	6.50	21.50	58.70
WCA00012148	PU	Black	UL20549	26AWG*17C+Filler	7.00	23.00	63.00
WCA00012173	PVC	Yellow	UL2517	26AWG*17C+Filler	7.00	24.00	73.00
WCA00012149	PVC	Black	UL2517	26AWG*17C+Filler	7.00	24.00	68.00
WCA00012151	PVC	Black	UL2517	26AWG*17C+Filler+AL.Mylar+Braid	7.50	40.00	91.00
WCA00012150	PU	Black	UL20549	26AWG*17C+Filler+AL.Mylar+Braid+Paper	7.50	39.00	80.00
WCA00010045	PVC	Black	UL2464	26AWG*22C+Drain+AL.Mylar	7.50	29.90	78.10
WCA0546UV01	PVC	Black	UL2464	26AWG*26C+Drain+AL.Mylar	8.00	35.80	91.30
WCA0449UV01	PVC	Black	UL2464	26AWG*31C+Drain+AL.Mylar	9.00	42.30	117.40
WCA0481UV01	PVC	Black	UL2464	26AWG*3C+Drain+AL.Mylar	4.00	5.20	22.40
WCA0547UV01	PVC	Black	UL2464	26AWG*44C+Drain+AL.Mylar	10.50	59.20	157.10
WCA0487UV01	PVC	Black	UL2464	26AWG*4C+Drain+AL.Mylar	4.80	7.20	30.80
WCA0486UV01	PVC	Black	UL2464	26AWG*5C+Drain+AL.Mylar	4.80	8.50	33.00
WCA00011480-01	PU	Black	-	CAT.5E 22AWG*2P+Drain+Filler+AL.Mylar	6.20	14.00	44.00
WCA00011527-17	LSZH	Green	-	CAT.6A S/FTP 26AWG*4P+AL/Polyester+Braid	6.60	17.99	47.08
WCA00010840	PVC	Black	-	CAT5E FTP 24AWG*4P+Mylar+D+AL.Mylar	6.50	17.97	47.34
WCA0373XX01	PVC	Beige	-	CAT5E FTP 24AWG*4P+Mylar+D+AL.Mylar	6.00	18.00	41.80
WCA0664UV01	PVC	Black	-	CAT5E FTP 24AWG*4P+Mylar+D+AL.Mylar	6.50	18.00	52.30
WCA0459XX01	PVC	Beige	-	CAT5E S-FTP 24AWG*4P+Mylar+AL.Mylar+D+B	6.10	30.97	55.00
WCA0663UV01	PVC	Black	-	CAT5E UTP 24AWG*4P	6.00	16.00	49.40
WCA00011688-03	PVC	Yellow	-	CL2 22AWG*2C+AL.Mylar+Drain+Braid	5.80	16.70	49.80
WCA0611XX01	PVC	Black	-	SJTW 14AWG*3C	9.50	56.70	154.50
WCA00010369	PVC	Black	-	STOOW 16AWG*4C	10.60	49.00	181.00
WCA00010899	PVC	Black	UL1277,UL1581,UL83	14AWG*3C+16AWG*1C	10.30	68.48	172.00
WCA00011252	PU	Black	UL20549	18AWG*2C+22AWG*4C+Filler+Paper	6.00	27.50	63.00
WCA00011253	PU	Black	UL20549	18AWG*2C+22AWG*6C+Filler+Paper	7.40	33.60	83.00
WCA00011254	PU	Black	UL20549	18AWG*2C+22AWG*8C+Filler+Paper	8.20	40.00	98.00
WCA00011582-43	PVC	Black	UL 21996	20AWG*2C+20AWG*3C	6.00	15.33	50.21
WCA0585UV01	PVC	Black	UL2464	24AWG*4C+20AWG*2C+Drain+AL.Mylar	6.00	22.40	57.40
WCA0042UV01	PVC	Black	UL2464	24AWG*6C+20AWG*2C+Drain+AL.Mylar	6.00	26.20	58.50
WCA0584UV01	PVC	Black	UL2464	26AWG*6C+24AWG*2C+Drain+AL.Mylar	5.50	13.70	42.80
WCA0365UV01	PVC	Black	-	28AWG*1P+24AWG*2C+AL.Mylar+Drain+Braid (USB2.0)	5.00	11.90	35.10
WCA00012165	PVC	Black	UL2725	28AWG*1P+28AWG*2C+AL.Mylar+Drain+Braid	3.80	10.00	21.00
WCA0691XX01	PVC	Black	UL2725	28AWG*1P+28AWG*3C+AL.Mylar+Drain+Braid	3.80	10.40	23.20
WCA00010259	PVC	Black	UL20276	[(18AWG*1P+AL)+(16AWG*1P+AL)]+Drain+AL+Braid	10.00	73.00	152.00
WCA00011922	PVC	Black	UL21996	(20AWG*1P+Drain+AL.Mylar)+16AWG*3C+Filler+AL.Mylar	8.50	50.61	115.27
WCA00010258	PVC	Black	-	[(22AWG+1P+AL)+(18AWG+1P+AL)]+Drain+AL.Mylar+Braid	7.00	42.00	80.00
WCA00010876	PVC	Black	UL2586	(24AWG*1P+A)*2C+16AWG*3C+EA	10.00	47.00	128.00
WCA00010257	PVC	Black	-	[(24AWG+1P+AL)+(22AWG+1P+AL)]+Drain+AL.Mylar+Braid	6.00	27.00	58.00
WCA00011350	PVC	Black	-	[(24AWG+1P+AL)+(22AWG+1P+AL)]+Drain+AL.Mylar+Braid	6.70	29.70	65.80
WCA00010437	PVC	Gray	-	[(24AWG+1P+AL)+(22AWG+1P+AL)]+Drain+Braid+Mylar	7.10	14.80	69.80
WCA00010080	PVC	Black	UL2464	(24AWG*25C+Mylar)+24AWG*25C+Drain+AL.Mylar	12.00	110.00	285.00
WCA00010710	PVC	Black	UL2464	(24AWG*2P+Drain+AL.Mylar)+16AWG*3C+Filler+Paper	12.00	45.70	179.10
WCA00011923	PVC	Black	UL21996	(24AWG*2P+Drain+AL.Mylar)+12AWG*3C+Filler+AL.Mylar	11.50	99.97	187.20
WCA00010635	PVC	Black	UL2464	(24AWG*4P+Drain+AL.Mylar)+16AWG*3C+Filler+Paper	11.00	41.70	149.70
WCA00010264	PVC	Black	UL20276	(26AWG*1P+Drain+AL.Mylar)*4C+26AWG*1P+26AWG*5C+AL.Mylar+Braid	8.50	45.50	94.30
WCA00011530-43	PVC	Black	UL21996	(26AWG*2P+AL.Mylar)+16AWG*2C+Filler+AL.Mylar	9.30	28.54	106.26
WCA00011531-43	PVC	Black	UL21996	(26AWG*2P+Drain+AL.Mylar)+16AWG*3C+Filler+AL.Mylar	11.00	41.58	146.60
WCA00011532-43	PVC	Black	UL21996	(26AWG*4P+Drain+AL.Mylar)+12AWG*3C+Filler+AL.Mylar	13.50	101.34	269.21
WCA00012137	PVC	Black	UL2725	(28AWG*1P+DAM)*2+28AWG*1P+28AWG*2C+Filler+AL.Mylar+Drain+Braid	6.00	21.80	48.20
WCA00010095	PVC	Black	UL20276	(28AWG*1P+Drain+AL+Mylar)*4C+(1P+3C)*28AWG+AL+Braid	7.30	33.90	73.70
WCA00010097	PVC	Black	UL20276	(28AWG*1P+Drain+AL+Mylar)*7C+28AWG*1P+28AWG*3C+AL+Braid	8.50	41.40	90.90
WCA00010081	PVC	Black	UL2464	[(28AWG*28C+Mylar)+28AWG*22C+Mylar]+28AWG*28C+Drain+AL	13.00	63.70	238.40
WCA00010096	PVC	Black	UL20276	[3COAX+(28AWG*1P+Drain+AL.Mylar+Mylar)*4+28AWG*1P+28AWG*6C]+AL.Mylar+Braid	8.50	53.50	93.10
WCA00010098	PVC	Black	UL20276	[3COAX+(28AWG*1P+Drain+AL+Mylar)*7+28AWG*1P+28AWG*6C]+AL+Braid	10.00	71.00	145.50
WCA00011960	PU	Black	UL20233	5C*2.5mm ² +Filler+Paper	10.20	116.00	191.00
WCA00011175	PU	Black	UL20549	8C*0.34mm ² +3C*1.0mm ² +Filler	8.60	54.00	116.00
WCA00011176	PU	Black	UL20549	16C*0.34mm ² +3C*1.0mm ² +Filler	9.70	79.00	161.00

Power-limited Circuit Cable

Specification

- Rated Voltage: 300V
- Temperature Range: FEP: 70 °C
PVC: 60 °C, 75 °C
- Test Voltage: 900Vac at 2 seconds
- Conductor Range: 28AWG ~ 10AWG
- Conductor Material Available: Standard Bare Copper
- Insulator Material Available: FEP/PVC
- Jacket Material: FEP/PVC
- O.D. Tolerance: > Ø17.8 mm



(UL) E489959-N CLXX XX AWG XX°C 300V

CLXX: UL13 Cable Type

- Plenum Rated: (2P), (3P)
- Riser Rated: (2R), (3R)
- General Rated: (2), (3)
- Residential Rated: (2X), (3X)

XX°C: Temperature Rating

- FEP: (70)
- PVC: (60), (75)

Features & Applications:

Type	Fire Resistance Level	UL Standard	CSA	Application
CL3P CL2P	Plenum Rated (Highest)	UL 910, CMP	FT6	• Ducts or plenums air handling space
CL3R CL2R	Riser Rated	UL 1666, CMR	-	• Vertical shafts in non-plenum areas • Cable runs more than one floor
CL3 CL2	General Purpose Rated	UL 1685, CMG/CM	FT4	• Power-limited circuit cable in non-plenum areas • Cable runs within one floor
CL3X CL2X	Residential Rated (Lowest)	VW-1, CMX	-	• Enclosed in non-plenum raceway or noncombustible tubing • Cable runs within one floor

Notes: UL File Number E489959; round or flat cable available

Find Our Standard Products

Part Number		WCA00011262-35	WCA00011263-35	WCA00011435-35	WCA00011282-35	WCA00011283-35	WCA00011272-35	WCA00011324-35
Cable Type		CL3P	CL3P	CL3P	CL3P	CL3P	CL3P	CL3P
Conductor	AWG	10	16	16	16	16	18	22
	No.	2	2	2	8	16	2	2
	Dia.	2.6	1.3	1.3	1.3	1.3	1.02	0.64
Insulation	Nom. Thick.	0.25mm	0.27mm	0.27mm	0.27mm	0.27mm	0.27mm	0.25mm
	Nom. Dia.	3.5±0.1mm	2.00±0.1mm	2.00±0.1mm	2.00±0.1mm	2.00±0.1mm	1.62±0.10mm	1.12±0.05mm
Jacket	Nom. Thick.	0.8mm	0.58mm	0.58mm	0.69mm	0.56mm	0.42mm	0.46mm
	Nom. Dia.	8.8±0.3mm	5.2±0.3mm	5.2±0.3mm	8.0±0.3mm	11.0±0.5mm	4.4±0.15mm	3.4±0.15mm
Conductor Resistance at 20°C (Max.)		3.41Ω/km	13.7Ω/km	13.7Ω/km	13.7Ω/km	13.7Ω/km	21.9Ω/km	55.4Ω/km

Other cable types and customization are available upon request.

UL 21996 Multiple-Conductor Cable

Using Non-Integral Jacket

Specification

- Rated Voltage: 300V
- Temperature Range: -40°C ~ 105°C
- Test Voltage: 2000Vac at 1 minute
- Wet Temperature Rating: 60°C (Max.)
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.) /
Braid: Tinned Copper, Overlap 65% (Min.) /
Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω



E489039-D AWM 21996 XX AWG -40°C 105°C 300V VW-1 AWM I/II A/B -40°C 105°C 300V FT1 Sun Res Wet 60°C Cable

Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

Features

- Reference standard: UL Subject 758, UL1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

Find Our Standard Products

Single Insulated Conductor Cable

Part Number		WCA00011581-43	WCA00011580-43	WCA00011548-43	WCA00011584-43	WCA00011583-43
Conductor	AWG	20	20	20	24	24
	No.	2	3	4	5	6
	Dia.	0.942mm	0.942mm	0.942mm	0.609mm	0.609mm
Insulation	Nom. Thick.	0.38mm	0.38mm	0.38mm	0.35mm	0.35mm
	Nom. Dia.	1.70±0.10mm	1.70±0.10mm	1.70±0.10mm	1.30±0.07mm	1.30±0.07mm
Shield	Style	-	-	-	-	Paper
	Overlap	-	-	-	-	25%
Conductor Resistance at 20°C (Max.)		34.6 / km	34.6 / km	34.6 / km	93.0 / km	93.0 / km
Jacket	Nom. Thick.	0.98mm	0.92mm	0.95mm	0.92mm	0.95mm
	Nom. Dia.	5.2±0.15mm	5.5±0.20mm	6.0±0.20mm	5.5±0.20mm	5.8±0.20mm

UL 21996 Multiple-Conductor Cable

Using Non-Integral Jacket

Multi-conductor Cable

Part Number		WCA00011532-43		WCA00011530-43		WCA00011531-43		WCA00011582-43	
Component		A	B	A	B	A	B	A	B
Conductor	AWG	12	26	16	26	16	26	20	24
	No.	3	4	2	2	2	2	2	3
	Dia.	2.365mm	0.480mm	1.490mm	0.480mm	1.490mm	0.480mm	0.942mm	0.609mm
Insulation	Nom. Thick.	0.46mm	0.46mm	0.40mm	0.46mm	0.40mm	0.46mm	0.38mm	0.35mm
	Nom. Dia.	3.30±0.15mm	1.40±0.10mm	2.30±0.10mm	1.40±0.10mm	2.30±0.10mm	1.40±0.10mm	1.70±0.10mm	1.30±0.07mm
Shield	Style	-	Al. Mylar	-	Al. Mylar	-	Al. Mylar	-	Paper
	Overlap	-	25%	-	25%	-	25%	-	25%
Drain	AWG	-	26	-	-	-	26	-	-
	Dia.	-	0.480mm	-	-	-	0.480mm	-	-
Conductor Resistance at 20°C (Max.)		5.54 / km	148.0 / km	13.7 / km	148.0 / km	13.7 / km	148.0 / km	34.6 / km	93.0 / km
Jacket	Nom. Thick.	1.65mm		1.65mm		1.65mm		0.9mm	
	Nom. Dia.	13.5±0.40mm		9.3±0.25mm		11.0±0.30mm		6.0±0.20mm	
Impedance		120±15		120±15		120±15		-	

Customization is available upon request.

UL 21388 Jacket Cable

Specification

- Rated Voltage: 300V
- Temperature Range: ~ 80°C
- Test Voltage: 2000Vac at 1 minute
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC/PE
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.) /
Braid: Tinned Copper, Overlap 65% (Min.) /
Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω



E489039-D AWM 21388 XX AWG 80°C 300V VW-1, AWM I/II A/B 80°C 300V FT1 Sun Res Cable

Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

Features

- Reference standard: UL Subject 758, UL 1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

Find Our Standard Products

Part Number		WCA00011201-43	WCA00011202-43	WCA00011203-43	WCA00011204-43	WCA00011205-43	WCA00011184-43
Conductor	AWG	16	16	16	16	16	20
	No.	2	3	4	5	6	2
	Dia.	1.496mm	1.496mm	1.496mm	1.496mm	1.496mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	2.10±0.10mm	2.10±0.10mm	2.10±0.10mm	2.10±0.10mm	2.10±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	6.00±0.20mm	6.50±0.20mm	6.80±0.20mm	7.60±0.20mm	8.40±0.20mm	5.50±0.20mm
Conductor Resistance at 20°C (Max.)		14.7 / km	14.7 / km	14.7 / km	14.7 / km	14.7 / km	36.7 / km

UL 21388 Jacket Cable

Find Our Standard Products

Part Number		WCA00011185-43	WCA00011186-43	WCA00011187-43	WCA00011188-43	WCA00011189-43	WCA00011190-43
Conductor	AWG	20	20	20	20	20	20
	No.	3	4	5	6	7	8
	Dia.	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	5.50±0.20mm	6.00±0.20mm	6.20±0.20mm	6.80±0.20mm	6.80±0.20mm	7.20±0.20mm
Conductor Resistance at 20°C (Max.)		36.7 / km	36.7 / km	36.7 / km	36.7 / km	36.7 / km	36.7 / km

Part Number		WCA00011191-43	WCA00011192-43	WCA00011193-43	WCA00011200-43	WCA00011194-43
Conductor	AWG	20	20	20	20	20
	No.	9	10	12	14	18
	Dia.	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	7.60±0.20mm	8.50±0.25mm	8.50±0.25mm	8.50±0.20mm	10.0±0.30mm
Conductor Resistance at 20°C (Max.)		36.7 / km	36.7 / km	36.7 / km	36.7 / km	36.7 / km

Customization is available upon request.

UL 2464 Multiple-Conductor Cable

Using Non-Integral Jacket

Specification

- Rated Voltage: 300V
- Temperature Range: ~ 80°C
- Test Voltage: 2000Vac at 1 minute
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC/PE
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.) /
Braid: Tinned Copper, Overlap 65% (Min.) /
Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω



E489039-D  AWM 2464 XX AWG 80°C 300V VW-1,  AWM I/II A/B 80°C 300V FT1 Cable

Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

Features

- Reference standard: UL Subject 758, UL 1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

Question

Our most popular FAQs will help you to easily find the answers you need.



Q: What connectors can be used for power and signal distribution?

A: CERES, SENSOR, X-LOK, RBL and HS-Lok connectors. For more detailed information and guide, please refer "Product Summary Table"

Q: Can ALTW connectors be used in direct burial?

A: No, they are not designed for this type of application. They should be routed inside a conduit or other means of reinforcement if deployed underground.

Q: Can ALTW connectors be used in continuous water immersion?

A: No, there is a limitation for their immersion to water as defined on each IP rating. Only "Deeptronica" series can be used in permanent immersion.

Q: Why are ALTW connectors called waterproof if they can only be immersed for a certain period? Shouldn't they be called water resistant?

A: As long as the immersion period does not surpass the conditions specified on the IP rating, they can be referred as waterproof.

Q: What is the Ingress Protection (IP) of ALTW connectors?

A: It ranges from IP65 to IP69K.

Q: Can ALTW connectors be connected/disconnected under load?

A: By default, only connectors for data (RJ45, DVI, HDMI, and USB) can be used in hot-plugging. Power connectors need to be customized to achieve this.

FAQ

Q: Do ALTW connectors comply with MIL STD?

A: No, ALTW connectors are only evaluated under EIA, IEC and UL standards.

Q: What connectors can be used in high-speed base band data transmission?

A: Ceres, X-Lok, M12 D & X-coded, RJ45, DVI, HDMI, USB and FLOS connectors.

Q: Can ALTW connectors be customized to meet certain requirements?

A: Yes, connectors can be customized to meet customer requirements. If a certification is required, it will be applied. If not, ALTW can provide in-house test reports as a confirmation that the pre-defined specifications have been met.

Q: Do ALTW connectors have ATEX certification?

A: No. ALTW connectors are not yet certified by ATEX.

Q: What is the difference between Oleophobic and Hydrophobic protective vents? What is the main function of the vent?

A: These properties refer to the fluid resistance of the membrane in the vent. Hydrophobic means that the membrane is water repelling, while Oleophobic means the membrane is oil repelling.

They are used in applications that require the balancing of internal and external pressures such as electrical cabinets, wireless access points, control hubs and junction boxes. The trapped air inside the enclosures expands or contracts relative to the heat emitted by the components it encloses and the external ambient temperatures.



If your question is not answered here, please contact Amphenol LTW Customer Service or browse for more information on our website.
www.amphenolltw.com

Scan here to contact us or e-mail us at sales@ltw-tech.com

UV Resistant

Being resistant to ultraviolet light (UV), or sunlight, means being able to withstand or resist the degradation caused by ultraviolet light.

UV light causes non-resistant materials and surfaces to fade or discolor.

Flammability

The ability of a chemical to burn or ignite, causing fire or combustion. The degree of difficulty required to cause the combustion of a chemical is quantified through fire testing.

Flammability can be classified as low (least flame-retarded) to high (most flame-retarded). From lowest to highest it is classified as follows:

- HB - horizontal slow burning: Burning rate under 76mm/min for a thickness below 3mm or the burning stops before 100mm
 - V-2: Burning stops within 30 seconds on a vertical specimen and drips of flaming particles are allowed
 - V-1: Burning stops within 30 seconds on a vertical specimen and drips of particles are allowed as long as they are not inflamed
 - V-0: Burning stops within 10 seconds on a vertical specimen and drips of particles are allowed as long as they are not inflamed
-

IEC

The International Electrotechnical Commission (IEC) is the world's leading organization for the preparation and publication of international standards for all electrical, electronic and related technologies. These are known collectively as “electrotechnology”.

The IEC provides a platform for companies, industries and governments to meet, discuss and develop the international standards they require. All IEC standards are consensus-based and represent the needs of the key stakeholders of every nation participating. Every member country has a vote on what is included into an IEC international standard.

UL 50e

This standard applies to enclosures for electrical equipment intended to be installed and used in non-hazardous locations. It covers additional environmental construction and performance requirements for enclosures.

UL 1863

This standard applies to Safety Communication - circuit Accessories. It covers telecommunications-circuit accessories, such as jack and plug assemblies, quick-connect terminal assemblies, telephone wall plates, telephone extension cords, cross-connect terminal-block assemblies, maintenance terminal modules, terminal enclosures, cable-splice enclosures, network-interface devices, wire-guide assemblies, and connector boxes.

UL 1977

These requirements cover single and multipole connectors intended for factory assembly to copper or copper alloy conductors or printed wiring boards for use in data, signal, control and power applications within and between electrical equipment.

UL 2237

This standard covers multi-point interconnection power cable assemblies. They may consist of power cable assemblies, male or female power cable fittings, panel-mounted power cable/conductor fittings and feeder-tap power cable fittings, referred to as the device in this standard, used with industrial machinery in accordance with the National Fire Protection Association Electrical Standard for Industrial Machinery, NFPA 79 that have system voltages up to and including 1,000 V.

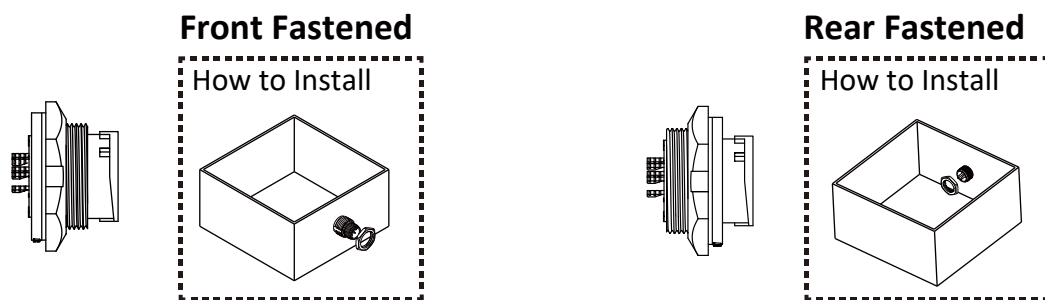
UL 2238

These requirements cover devices intended for inter-connection of equipment, sensors, and actuators in remote-control, signaling, and power-limited circuits. Included are cable assemblies and fittings, feeder-tap cable systems, feed-through connectors, multi-outlet fittings, panel-mount fittings, and splitters. These devices are rated not more than 60 A and not more than 600 V. These devices are not intended for disconnect means.

LV214

This automotive standard was developed by German car manufacturers Audi, BMW, Daimler, Porsche and Volkswagen. It addresses the ability of terminals to be effectively evaluated by crimp force monitors. The terminals must exhibit certain crimp force to be used in an automotive wire harness.

Fasten Style of Nut



Mating Style

Screw Thread

- Ceres
- RJ45
- FICX
- Power
- USB
- Cable Joiner
- M Series
- HDMI
- Cable Gland
- NMEA
- RF
- LED In.
- D-Sub
- DVI
- Vent

2 Points Lock Bayonet

- Ceres
- Power
- USB

3 Points Lock Bayonet

- Ceres
- Power
- RJ45
- Fiber

Push Pull

- M Series
- FLO & FLOS+
- HS-Lok
- USB

Push Lock With Latches

- RBL
- D-Sub
- SSL

Push Lock

- X-Lok
- USB

Termination Style



ODVA

ODVA is a global association whose members comprise of world's leading automation companies. ODVA's mission is to advance open, interoperable information and communication technologies in industrial automation. The association recognizes its media independent network protocol, the Common Industrial Protocol or "CIP" – and the network adaptations of CIP – EtherNet/IP, DeviceNet, CompoNet and ControlNet – as its core technology and the primary common interest of its membership.

ODVA's vision is to contribute to the sustainability and prosperity of the global community by transforming the model for information and communication technology in the industrial ecosystem.

NMEA 2000

NMEA 2000 is a protocol used to create a network of electronic devices – mainly marine instruments – on a boat. Various instruments that meet the NMEA 2000 standard are connected to one central cable, known as a backbone. The backbone powers each instrument and relays data among all the instruments on the network. This allows one display unit to show many different types of information and allows the instruments to work together. NMEA 2000 is meant to be "plug and play" to allow devices made by different manufacturers to talk and listen to each other.

Amphenol LTW's IPCS (Intelligent Pre-cabling Systems)

Amphenol LTW Intelligent Pre-Cabling System (IPCS) is your solution for the LED Lighting incorporation in indoor and outdoor applications. With a simplified design and wide flexibility, IPCS solves all your needs for electrical wiring and cabling infrastructure. It also provides large savings in on-site installation time and cost. The concept of IPCS is suitable for ALTW's various connector series, ideal for a large variety of customization.

Amphenol LTW's Power / Data / Hybrid Solutions

We are dedicated to developing interconnect solution to fulfill customer requirements of power or data applications, and as devices increasingly carry more functions in reduced spaces, Hybrid solutions are the answer to space limitation and multi-function. Below is the product series for Power, Data, and Hybrid applications.

0.5A ~ 2A

- Ceres
- X-Lok
- M Series
- D-Sub
- DVI
- HDMI
- USB
- HS-Lok
- FLO & FLOS+

3A ~ 5A

- Ceres
- X-Lok
- M Series
- D-Sub
- SSL
- RBL
- HS-Lok
- FLO & FLOS+
- NMEA 2000
- USB

6A ~ 10A

- Ceres
- X-Lok
- Power
- M Series
- Mini
- RBL
- FLO & FLOS+
- NMEA 2000
- USB
- FICX

11A ~ 20A

- Ceres
- X-Lok
- Power
- M Series
- FICX
- RBL
- FLO & FLOS+
- Mini
- FICX

25A ~ 30A

- Power
- FLO & FLOS+
- M Series

50A

- Power
- X-Lok

80A

- Power

Cross Section Conversion From AWG To mm²

26 AWG	0.14 mm ²	16 AWG	1.50 mm ²	4 AWG	25.00 mm ²
24 AWG	0.25 mm ²	14 AWG	2.50 mm ²	2 AWG	35.00 mm ²
22 AWG	0.34 mm ²	12 AWG	4.00 mm ²	1 AWG	50.00 mm ²
20 AWG	0.50 mm ²	10 AWG	6.00 mm ²	2/0 AWG	70.00 mm ²
18 AWG	0.75 mm ²	8 AWG	10.00 mm ²		
17 AWG	1.00 mm ²	6 AWG	16.00 mm ²		

Ingress Protection (IP) Rating Guide

Waterproof Definition

Unmated Waterproof



Standalone waterproof or waterproof is assured even without its counterpart. The water will not go through the inner portion of the exposed connector as it is entirely sealed.

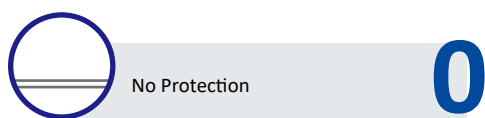
Mated Waterproof



Waterproof is only assured when mated and locked tightly to its counterpart.

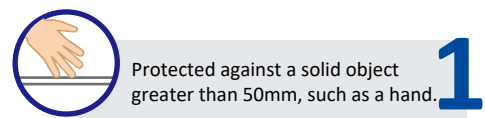
1st Digit - SOLIDS

Degree of protection against solid objects



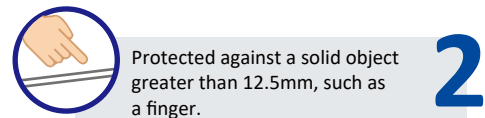
No Protection

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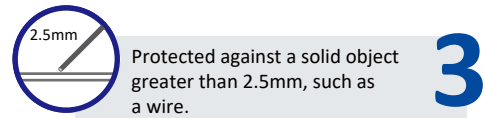
Protected against a solid object greater than 50mm, such as a hand.

1



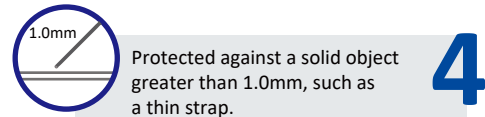
Protected against a solid object greater than 12.5mm, such as a finger.

2



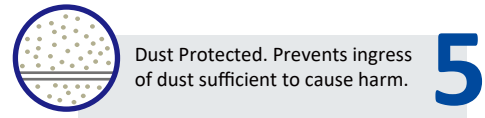
Protected against a solid object greater than 2.5mm, such as a wire.

3



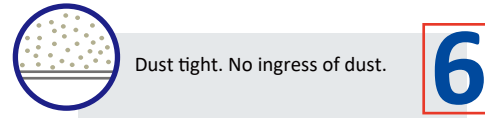
Protected against a solid object greater than 1.0mm, such as a thin strap.

4



Dust Protected. Prevents ingress of dust sufficient to cause harm.

5



Dust tight. No ingress of dust.

6

Example:



IP 6 5

Protected against water jets from any angle.

Dust tight. No ingress of dust.

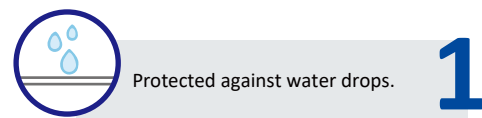
2nd Digit - LIQUIDS

Degree of protection against water



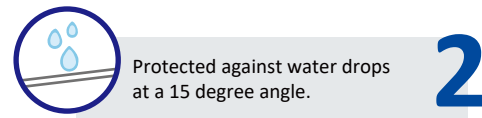
No Protection

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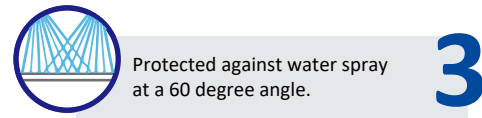
Protected against water drops.

1



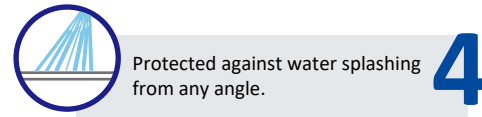
Protected against water drops at a 15 degree angle.

2



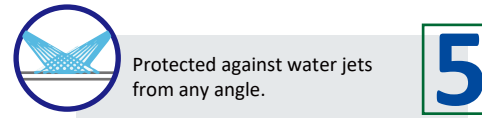
Protected against water spray at a 60 degree angle.

3



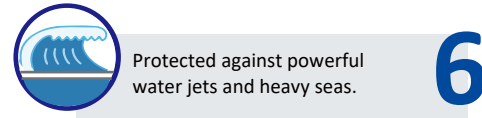
Protected against water splashing from any angle.

4



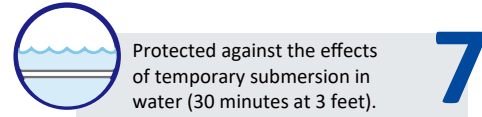
Protected against water jets from any angle.

5



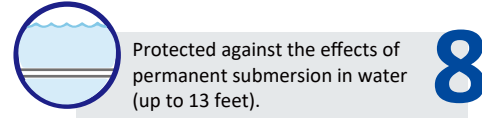
Protected against powerful water jets and heavy seas.

6



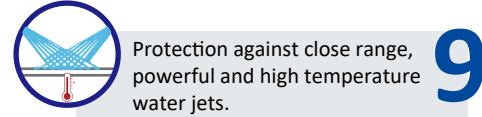
Protected against the effects of temporary submersion in water (30 minutes at 3 feet).

7



Protected against the effects of permanent submersion in water (up to 13 feet).

8



Protection against close range, powerful and high temperature water jets.

9K

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