



RBL

Product Catalogue



Q-FLEX

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- IP67 / 68 Mated Or Unmated
- Push Lock With Latch & Fool-proof Design
- Intuitive Mating With Audible Feedback
- Power, Data / Signal, Hybrid
- Flammability UL 94V-0
- UL / CE Certified



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IP67 / 68



Push Lock



Audible
Feedback



UL
Recognized



UV
Resistant



UL 1977

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)

Assembly 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 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
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 Contacs	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	•	•	•	•		•		•				•	•		•	•		•	•					
Displayer	•	•	•	•		•												•						
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				•														•						



LED

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



Broadband Wireless Access

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



Renewable Energy

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



Test Equipment

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



Heavy Equipment

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



Transportation

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



Hybrid Electric Vehicles

- Electric Wheelchair
- Electrical and Electronic Brake System
- Electrical and Electronic Speed Control
- Throttle Controller
- Electric Scooter



Automotive Diagnostics

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



Marine

- Multi-Function Display
- Outboard Motors
- Bilge Pump
- Heater
- Fridge
- Docking System
- Windlass
- Sensors
- RADAR
- USB Charger
- Audio System
- Lighting System
- CCTV
- Power Controller
- Autopilot System
- Automatic Identification System
- GPS, Beacon & Lifebuoy
- HVAC
(Heating Ventilation Air Conditioning)



Industrial Automation

- Industrial Forklifts (Truck)
- Motor Drives
- Production Equipment



Automated Meter Reading

- Sewage



Railway Mass Transit

- Infotainment Systems
- Fuel Leakage Detector
- Cleaning Control



Medical Equipment

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



Remote Video Response Center

- Monitoring Station



Lifts & Materials Handling

- Forklift
- Industrial Lift
- Materials Handling



UAV

- Commercial Drone
- Military Drone
- Consumer Drone

- IP67 / 68 Mated Or Unmated
- Push Lock With Latch & Fool-proof Design
- Intuitive Mating With Audible Feedback
- Power, Data / Signal, Hybrid
- Flammability UL 94V-0
- UL / CE Certified



Product Range Overview

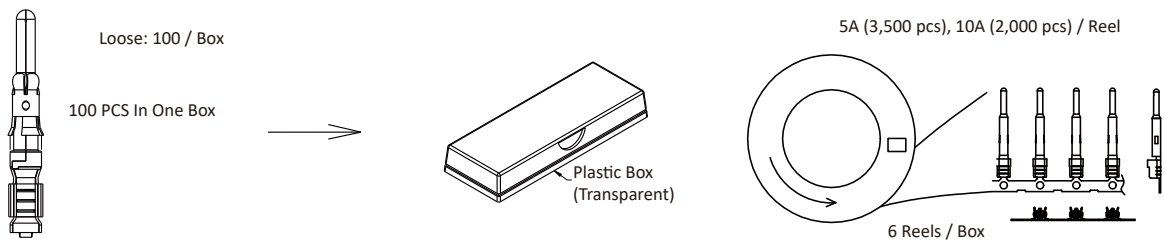
Sub-Series Name	Middle C Size	Large D Size
Mating Style	Push Lock With Latch	Push Lock With Latch
Plastic Version	✓	✓
No. of Contacts	2 ~ 9	2 ~ 18
Plating of Contacts	Gold Plated	Gold Plated
Operating Voltage	300V	300V
Nominal Current	5A ~ 10A 10A+5A	5A ~ 20A 20A+5A
Operating Temperature	<ul style="list-style-type: none">• Receptacle With Wires: -40°C ~ 105°C• Overmolded With Cable:<ul style="list-style-type: none">(1) Data/Signal Group: -20°C ~ 80°C(2) Power Group: -20°C~105°C(3) Hybrid Group: -40°C~105°C• Field Serviceable/Installable: -40°C ~ 105°C	<ul style="list-style-type: none">• Receptacle With Wires: -40°C ~ 105°C• Overmolded With Cable:<ul style="list-style-type: none">(1) Data/Signal Group: -20°C ~ 80°C(2) Power Group: -20°C~105°C(3) Hybrid Group: -40°C~105°C• Field Serviceable/Installable: -40°C ~ 105°C
Fasten Style of Nut	Rear	Rear
Receptacle With Wires	✓	✓
Overmolded With Cable	✓	✓
Field Serviceable/Installable	✓	✓
Accessories	✓	✓
Applicable Wire Gauge	<ul style="list-style-type: none">• Receptacle With Wires: (5A) UL1430, 20AWG (0.50mm²), XL-PVC (10A) UL1015, 16AWG (1.50mm²), PVC (10A+5A) UL1015+UL1430, 16+20AWG (1.50+0.50mm²), PVC+XL-PVC• Overmolded With Cable: (5A) UL21388, 20AWG (0.50mm²), PVC, Black, Data Group (5A) UL SJTW, 18AWG (0.75mm²), PVC, Black, Power Group (10A) UL21388, 16AWG (1.50mm²), PVC, Black, Data Group (10A) UL SJTW, 16AWG (1.50mm²), PVC, Black, Power Group (10A+5A) UL21996, 16+20AWG (1.50+0.50mm²), PVC, Black, Hybrid Group• Field Serviceable/Installable: (5A) 24 ~ 20AWG (0.25 ~ 0.50mm²), (10A) 18 ~ 16AWG (075 ~ 1.50mm²)	<ul style="list-style-type: none">• Receptacle With Wires: (5A) UL1430, 20AWG (0.50mm²), XL-PVC (20A) UL1015, 12AWG (4.00mm²), PVC (20A+5A) UL1015+UL1430, 12+20AWG (4.00+0.50mm²), PVC+XL-PVC• Overmolded With Cable: (5A) UL21388, 20AWG (0.50mm²), PVC, Black, Data Group (20A) UL SJTW, 12AWG (4.00mm²), PVC, Black, Power Group (20A+5A) UL21996, 12+24AWG (4.00+0.25mm²), PVC, Black, Hybrid Group• Field Serviceable/Installable: (5A) 24 ~ 20AWG (0.25 ~ 0.50mm²), (20A) 20 ~ 12AWG (2.50 ~ 4.00mm²)
Wire Gauge For UL Approval	5A: 20AWG 10A: 16AWG	-
Mating Cycles (Pin Contact)	250 Cycles	250 Cycles
IP Rating	<ul style="list-style-type: none">• Receptacle With Wires: IP68 (Unmated, 1M / 24h)• Overmolded With Cable: IP68 (Mated, 1M / 24h)• Field Serviceable/Installable: IP67 (Mated)	
Salt Spray (Connector, Mated)	48h	48h
UV Resistant	✓	✓
Flammability Rating	UL94V-0	UL94V-0
Vibration	Frequency Range 10 ~ 55Hz / Amplitude 1.52mm	
RoHS 2.0 Compliant	✓	✓
REACH Compliant	✓	✓
Certificates	UL1977	-

Contact Configuration

	Middle C Size															
	Data/Signal								Power							
	5A (CD)				10A (CB)				5A (CD)				10A (CB)			
	MM	FF	MF	FM	MM	FF	MF	FM	MM	FF	MF	FM	MM	FF	MF	FM
2 Pin																
	C F	R C F	C F	R C F	C F	R C F	C F	R C F					C	R C	C	R C
3 Pin																
	C F	R C F	C F	R C F	C F	R C F	C F	R C F	C	R C	C	R C	C	R C	C	R C
4 Pin																
	C F	R C F	C F	R C F	C F	R C F	C F	R C F					C	R C	C	R C
5 Pin																
	C	R C	C	R C												
6 Pin																
	C	R C	C	R C												
7 Pin																
	C	R C	C	R C												
8 Pin																
	C	R C	C	R C												
9 Pin																
	C	R C	C	R C												
10 Pin																
12 Pin																
14 Pin																
18 Pin																

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

Packing for Crimp Contacts



Contact Configuration

	Middle C Size NEW				Large D Size NEW											
	Hybrid				Data/Signal				Power				Hybrid			
	10A+5A (CBD)				5A (DD)				20A (DC)				20A+5A (DCD)			
	MM	FF	MF	FM	MM	FF	MF	FM	MM	FF	MF	FM	MM	FF	MF	FM
2 Pin																
									C F	R C F	C F	R C F				
3 Pin																
									C F	R C F	C F	R C F				
4 Pin																
	C	R C	C	R C					C F	R C F	C F	R C F	C	R C	C	R C
5 Pin																
	C	R C	C	R C	C	R C	C	R C					C	R C	C	R C
6 Pin																
	C	R C	C	R C	C	R C	C	R C					C	R C	C	R C
7 Pin																
					C	R C	C	R C					C	R C	C	R C
8 Pin																
					C	R C	C	R C					C	R C	C	R C
9 Pin																
					C	R C	C	R C								
10 Pin																
					C	R C	C	R C								
12 Pin																
					C	R C	C	R C								
14 Pin																
					C	R C	C	R C								
18 Pin																
					C	R C										

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

Assemble Style

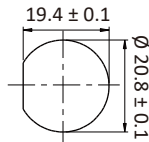


Crimp

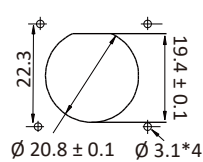
(C) Field Serviceable/Installable

Panel Cut Out

Circular Flange



Square Flange



(Unit: mm)

No of Contacts	2				3	
Rated Voltage (AC/DC)	300V				300V	
Nominal Current	5A		10A		5A	
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						
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)						
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾ Cable Type: PVC Jacket						
	UL21388, Data Group	CD-02AMMM-RL8D⑪	CD-02AMFM-RL8D⑪	CB-02AMMM-RL8D⑪	CB-02AMFM-RL8D⑪	CD-03AMMM-RL8D⑪
	UL21996, Hybrid Group	-	-	-	-	-
	UL STJW, Power Group	CD-02AMMM-RL8E⑪	CD-02AMFM-RL8E⑪	CB-02AMMM-RL8E⑪	CB-02AMFM-RL8E⑪	CD-03AMMM-RL8E⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)						
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾ Cable Type: PVC Jacket						
	UL21388, Data Group	CD-02AMMM-RR8D⑪	CD-02AMFM-RR8D⑪	CB-02AMMM-RR8D⑪	CB-02AMFM-RR8D⑪	CD-03AMMM-RR8D⑪
	UL21996, Hybrid Group	-	-	-	-	-
	UL STJW, Power Group	CD-02AMMM-RR8E⑪	CD-02AMFM-RR8E⑪	CB-02AMMM-RR8E⑪	CB-02AMFM-RR8E⑪	CD-03AMMM-RR8E⑪
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)						
Sealing Nut Torque Value: 5 ~ 10 kgf·cm Recommended Cable O.D.: (Seal 1) 4.5 ~ 7.5mm, (Seal 2) 7.6 ~ 9.5mm						
	Crimp Contact	CD-02BMMC-RL7001	CD-02BMFC-RL7001	CB-02BMMC-RL7001	CB-02BMFC-RL7001	CD-03BMMC-RL7001

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)						
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Cable Type: PVC Jacket Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF						
	UL21388, Data Group	AC-CD02ML-CDML-RD⑩	AC-CD02HL-CDHL-RD⑩	AC-CB02ML-CBML-RD⑩	AC-CB02HL-CBHL-RD⑩	AC-CD03ML-CDML-RD⑩
	UL21996, Hybrid Group	-	-	-	-	-
	UL STJW, Power Group	AC-CD02ML-CDML-RE⑩	AC-CD02HL-CDHL-RE⑩	AC-CB02ML-CBML-RE⑩	AC-CB02HL-CBHL-RE⑩	AC-CD03ML-CDML-RE⑩
	UL21388, Data Group	AC-CD02ML-CDFL-RD⑩	AC-CD02HL-CDBL-RD⑩	AC-CB02ML-CBFL-RD⑩	AC-CB02HL-CBBL-RD⑩	AC-CD03ML-CDFL-RD⑩
	UL21996, Hybrid Group	-	-	-	-	-
	UL STJW, Power Group	AC-CD02ML-CDFL-RE⑩	AC-CD02HL-CDBL-RE⑩	AC-CB02ML-CBFL-RE⑩	AC-CB02HL-CBBL-RE⑩	AC-CD03ML-CDFL-RE⑩
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP68 (Mated)						
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Cable Type: PVC Jacket Connector / Contact Gender: (M) MM, (H) MF						
	UL21388, Data Group	AC-CD02MR-CDMR-RD⑩	AC-CD02HR-CDHR-RD⑩	AC-CB02MR-CBMR-RD⑩	AC-CB02HR-CBHR-RD⑩	AC-CD03MR-CDMR-RD⑩
	UL21996, Hybrid Group	-	-	-	-	-
	UL STJW, Power Group	AC-CD02MR-CDMR-RE⑩	AC-CD02HR-CDHR-RE⑩	AC-CB02MR-CBMR-RE⑩	AC-CB02HR-CBHR-RE⑩	AC-CD03MR-CDMR-RE⑩
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP68 (Mated)						
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Cable Type: PVC Jacket Connector / Contact Gender: (M) MM, (H) MF						
	UL21388, Data Group	AC-CD02ML-CDMR-RD⑩	AC-CD02HL-CDHR-RD⑩	AC-CB02ML-CBMR-RD⑩	AC-CB02HL-CBHR-RD⑩	AC-CD03ML-CDMR-RD⑩
	UL21996, Hybrid Group	-	-	-	-	-
	UL STJW, Power Group	AC-CD02ML-CDMR-RE⑩	AC-CD02HL-CDHR-RE⑩	AC-CB02ML-CBMR-RE⑩	AC-CB02HL-CBHR-RE⑩	AC-CD03ML-CDMR-RE⑩

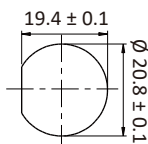
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

3		4				4 (3+1)	
300V		300V				300V	
10A		5A		10A		10A+5A	NEW
MM	MF	MM	MF	MM	MF	MM	MF
CB-03AMMM-RL8D ⁽¹¹⁾	CB-03AMFM-RL8D ⁽¹¹⁾	CD-04AMMM-RL8D ⁽¹¹⁾	CD-04AMFM-RL8D ⁽¹¹⁾	CB-04AMMM-RL8D ⁽¹¹⁾	CB-04AMFM-RL8D ⁽¹¹⁾	-	-
-	-	-	-	-	-	CBD-04AMMM-RL8F ⁽¹¹⁾	CBD-04AMFM-RL8F ⁽¹¹⁾
CB-03AMMM-RL8E ⁽¹¹⁾	CB-03AMFM-RL8E ⁽¹¹⁾	CD-04AMMM-RL8E ⁽¹¹⁾	CD-04AMFM-RL8E ⁽¹¹⁾	CB-04AMMM-RL8E ⁽¹¹⁾	CB-04AMFM-RL8E ⁽¹¹⁾	-	-
CB-03AMMM-RR8D ⁽¹¹⁾	CB-03AMFM-RR8D ⁽¹¹⁾	CD-04AMMM-RR8D ⁽¹¹⁾	CD-04AMFM-RR8D ⁽¹¹⁾	CB-04AMMM-RR8D ⁽¹¹⁾	CB-04AMFM-RR8D ⁽¹¹⁾	-	-
-	-	-	-	-	-	CBD-04AMMM-RR8F ⁽¹¹⁾	CBD-04AMFM-RR8F ⁽¹¹⁾
CB-03AMMM-RR8E ⁽¹¹⁾	CB-03AMFM-RR8E ⁽¹¹⁾	CD-04AMMM-RR8E ⁽¹¹⁾	CD-04AMFM-RR8E ⁽¹¹⁾	CB-04AMMM-RR8E ⁽¹¹⁾	CB-04AMFM-RR8E ⁽¹¹⁾	-	-
CB-03BMMC-RL7001	CB-03BMFC-RL7001	CD-04BMMC-RL7001	CD-04BMFC-RL7001	CB-04BMMC-RL7001	CB-04BMFC-RL7001	-	-

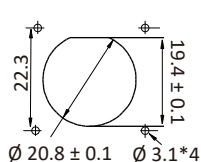
AC-CB03ML-CBML-RD ⁽¹⁰⁾	AC-CB03HL-CBHL-RD ⁽¹⁰⁾	AC-CD04ML-CDML-RD ⁽¹⁰⁾	AC-CD04HL-CDHL-RD ⁽¹⁰⁾	AC-CB04ML-CBML-RD ⁽¹⁰⁾	AC-CB04HL-CBHL-RD ⁽¹⁰⁾	-	-
-	-	-	-	-	-	AC-CBD04ML-CBDML-RF ⁽¹⁰⁾	AC-CBD04HL-CBDHL-RF ⁽¹⁰⁾
AC-CB03ML-CBML-RE ⁽¹⁰⁾	AC-CB03HL-CBHL-RE ⁽¹⁰⁾	AC-CD04ML-CDML-RE ⁽¹⁰⁾	AC-CD04HL-CDHL-RE ⁽¹⁰⁾	AC-CB04ML-CBML-RE ⁽¹⁰⁾	AC-CB04HL-CBHL-RE ⁽¹⁰⁾	-	-
AC-CB03ML-CBFL-RD ⁽¹⁰⁾	AC-CB03HL-CBBL-RD ⁽¹⁰⁾	AC-CD04ML-CDFL-RD ⁽¹⁰⁾	AC-CD04HL-CDBL-RD ⁽¹⁰⁾	AC-CB04ML-CBFL-RD ⁽¹⁰⁾	AC-CB04HL-CBBL-RD ⁽¹⁰⁾	-	-
-	-	-	-	-	-	AC-CBD04ML-CBDFL-RF ⁽¹⁰⁾	AC-CBD04HL-CBDL-RF ⁽¹⁰⁾
AC-CB03ML-CBFL-RE ⁽¹⁰⁾	AC-CB03HL-CBBL-RE ⁽¹⁰⁾	AC-CD04ML-CDFL-RE ⁽¹⁰⁾	AC-CD04HL-CDBL-RE ⁽¹⁰⁾	AC-CB04ML-CBFL-RE ⁽¹⁰⁾	AC-CB04HL-CBBL-RE ⁽¹⁰⁾	-	-
AC-CB03MR-CBMR-RD ⁽¹⁰⁾	AC-CB03HR-CBHR-RD ⁽¹⁰⁾	AC-CD04MR-CDMR-RD ⁽¹⁰⁾	AC-CD04HR-CDHR-RD ⁽¹⁰⁾	AC-CB04MR-CBMR-RD ⁽¹⁰⁾	AC-CB04HR-CBHR-RD ⁽¹⁰⁾	-	-
-	-	-	-	-	-	AC-CBD04MR-CBDMR-RF ⁽¹⁰⁾	AC-CBD04HR-CBDHR-RF ⁽¹⁰⁾
AC-CB03MR-CBMR-RE ⁽¹⁰⁾	AC-CB03HR-CBHR-RE ⁽¹⁰⁾	AC-CD04MR-CDMR-RE ⁽¹⁰⁾	AC-CD04HR-CDHR-RE ⁽¹⁰⁾	AC-CB04MR-CBMR-RE ⁽¹⁰⁾	AC-CB04HR-CBHR-RE ⁽¹⁰⁾	-	-
AC-CB03ML-CBMR-RD ⁽¹⁰⁾	AC-CB03HL-CBHR-RD ⁽¹⁰⁾	AC-CD04ML-CDMR-RD ⁽¹⁰⁾	AC-CD04HL-CDHR-RD ⁽¹⁰⁾	AC-CB04ML-CBMR-RD ⁽¹⁰⁾	AC-CB04HL-CBHR-RD ⁽¹⁰⁾	-	-
-	-	-	-	-	-	AC-CBD04ML-CBDMR-RF ⁽¹⁰⁾	AC-CBD04HL-CBDHR-RF ⁽¹⁰⁾
AC-CB03ML-CBMR-RE ⁽¹⁰⁾	AC-CB03HL-CBHR-RE ⁽¹⁰⁾	AC-CD04ML-CDMR-RE ⁽¹⁰⁾	AC-CD04HL-CDHR-RE ⁽¹⁰⁾	AC-CB04ML-CBMR-RE ⁽¹⁰⁾	AC-CB04HL-CBHR-RE ⁽¹⁰⁾	-	-

Panel Cut Out

Circular Flange



Square Flange



(Unit: mm)

No of Contacts	5		5 (3+2)		6	
Rated Voltage (AC/DC)	300V				300V	
Nominal Current	5A		10A+5A		NEW5A	
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						
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)						
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾ Cable Type: PVC Jacket						
	UL21388, Data Group	CD-05AMMM-RL8D⑪	CD-05AMFM-RL8D⑪	-	-	CD-06AMMM-RL8D⑪
	UL21996, Hybrid Group	-	-	CBD-05AMMM-RL8F⑪	CBD-05AMFM-RL8F⑪	-
	UL STJW, Power Group	CD-05AMMM-RL8E⑪	CD-05AMFM-RL8E⑪	-	-	CD-06AMMM-RL8E⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)						
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾ Cable Type: PVC Jacket						
	UL21388, Data Group	CD-05AMMM-RR8D⑪	CD-05AMFM-RR8D⑪	-	-	CD-06AMMM-RR8D⑪
	UL21996, Hybrid Group	-	-	CBD-05AMMM-RR8F⑪	CBD-05AMFM-RR8F⑪	-
	UL STJW, Power Group	CD-05AMMM-RR8E⑪	CD-05AMFM-RR8E⑪	-	-	CD-06AMMM-RR8E⑪
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)						
Sealing Nut Torque Value: 5 ~ 10 kgf·cm Recommended Cable O.D.: (Seal 1) 4.5 ~ 7.5mm, (Seal 2) 7.6 ~ 9.5mm						
	Crimp Contact	CD-05BMMC-RL7001	CD-05BMFC-RL7001	-	-	CD-06BMMC-RL7001

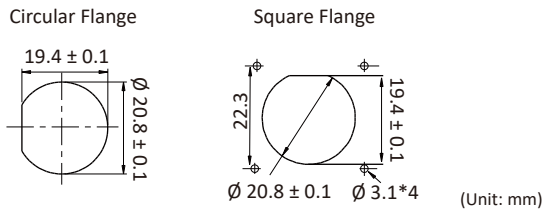
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)							
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Cable Type: PVC Jacket Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF							
	UL21388, Data Group	AC-CD05ML-CDML-RD⑩	AC-CD05HL-CDHL-RD⑩	-	-	AC-CD06ML-CDML-RD⑩	AC-CD06HL-CDHL-RD⑩
	UL21996, Hybrid Group	-	-	AC-CBD05ML-CBDML-RF⑩	AC-CBD05HL-CBDHL-RF⑩	-	-
	UL STJW, Power Group	AC-CD05ML-CDML-RE⑩	AC-CD05HL-CDHL-RE⑩	-	-	AC-CD06ML-CDML-RE⑩	AC-CD06HL-CDHL-RE⑩
	UL21388, Data Group	AC-CD05ML-CDFL-RD⑩	AC-CD05HL-CDBL-RD⑩	-	-	AC-CD06ML-CDFL-RD⑩	AC-CD06HL-CDBL-RD⑩
	UL21996, Hybrid Group	-	-	AC-CBD05ML-CBDFL-RF⑩	AC-CBD05HL-CBDL-RF⑩	-	-
	UL STJW, Power Group	AC-CD05ML-CDFL-RE⑩	AC-CD05HL-CDBL-RE⑩	-	-	AC-CD06ML-CDFL-RE⑩	AC-CD06HL-CDBL-RE⑩
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP68 (Mated)							
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Cable Type: PVC Jacket Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF							
	UL21388, Data Group	AC-CD05MR-CDMR-RD⑩	AC-CD05HR-CDHR-RD⑩	-	-	AC-CD06MR-CDMR-RD⑩	AC-CD06HR-CDHR-RD⑩
	UL21996, Hybrid Group	-	-	AC-CBD05MR-CBDMR-RF⑩	AC-CBD05HR-CBDHR-RF⑩	-	-
	UL STJW, Power Group	AC-CD05MR-CDMR-RE⑩	AC-CD05HR-CDHR-RE⑩	-	-	AC-CD06MR-CDMR-RE⑩	AC-CD06HR-CDHR-RE⑩
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP68 (Mated)							
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Cable Type: PVC Jacket Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF							
	UL21388, Data Group	AC-CD05ML-CDMR-RD⑩	AC-CD05HL-CDHR-RD⑩	-	-	AC-CD06ML-CDMR-RD⑩	AC-CD06HL-CDHR-RD⑩
	UL21996, Hybrid Group	-	-	AC-CBD05ML-CBDMR-RF⑩	AC-CBD05HL-CBDHR-RF⑩	-	-
	UL STJW, Power Group	AC-CD05ML-CDMR-RE⑩	AC-CD05HL-CDHR-RE⑩	-	-	AC-CD06ML-CDMR-RE⑩	AC-CD06HL-CDHR-RE⑩

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

6 (3+3)		7		8		9	
300V		300V		300V		300V	
10A+5A		5A		5A		5A	
MM	MF	MM	MF	MM	MF	MM	MF
-	-	CD-07AMMM-RL8D ¹¹	CD-07AMFM-RL8D ¹¹	CD-08AMMM-RL8D ¹¹	CD-08AMFM-RL8D ¹¹	CD-09AMMM-RL8D ¹¹	CD-09AMFM-RL8D ¹¹
CBD-06AMMM-RL8F ¹¹	CBD-06AMFM-RL8F ¹¹	-	-	-	-	-	-
-	-	CD-07AMMM-RL8E ¹¹	CD-07AMFM-RL8E ¹¹	CD-08AMMM-RL8E ¹¹	CD-08AMFM-RL8E ¹¹	CD-09AMMM-RL8E ¹¹	CD-09AMFM-RL8E ¹¹
-	-	CD-07AMMM-RR8D ¹¹	CD-07AMFM-RR8D ¹¹	CD-08AMMM-RR8D ¹¹	CD-08AMFM-RR8D ¹¹	CD-09AMMM-RR8D ¹¹	CD-09AMFM-RR8D ¹¹
CBD-06AMMM-RR8F ¹¹	CBD-06AMFM-RR8F ¹¹	-	-	-	-	-	-
-	-	CD-07AMMM-RR8E ¹¹	CD-07AMFM-RR8E ¹¹	CD-08AMMM-RR8E ¹¹	CD-08AMFM-RR8E ¹¹	CD-09AMMM-RR8E ¹¹	CD-09AMFM-RR8E ¹¹
-	-	CD-07BMMC-RL7001	CD-07BMFC-RL7001	CD-08BMMC-RL7001	CD-08BMFC-RL7001	CD-09BMMC-RL7001	CD-09BMFC-RL7001

-	-	AC-CD07ML-CDML-RD ¹⁰	AC-CD07HL-CDHL-RD ¹⁰	AC-CD08ML-CDML-RD ¹⁰	AC-CD08HL-CDHL-RD ¹⁰	AC-CD09ML-CDML-RD ¹⁰	AC-CD09HL-CDHL-RD ¹⁰
AC-CBD06ML-CBDML-RF ¹⁰	AC-CBD06HL-CBDHL-RF ¹⁰	-	-	-	-	-	-
-	-	AC-CD07ML-CDML-RE ¹⁰	AC-CD07HL-CDHL-RE ¹⁰	AC-CD08ML-CDML-RE ¹⁰	AC-CD08HL-CDHL-RE ¹⁰	AC-CD09ML-CDML-RE ¹⁰	AC-CD09HL-CDHL-RE ¹⁰
-	-	AC-CD07ML-CDFL-RD ¹⁰	AC-CD07HL-CDBL-RD ¹⁰	AC-CD08ML-CDFL-RD ¹⁰	AC-CD08HL-CDBL-RD ¹⁰	AC-CD09ML-CDFL-RD ¹⁰	AC-CD09HL-CDBL-RD ¹⁰
AC-CBD06ML-CBDFL-RF ¹⁰	AC-CBD06HL-CDBL-RF ¹⁰	-	-	-	-	-	-
-	-	AC-CD07ML-CDFL-RE ¹⁰	AC-CD07HL-CDBL-RE ¹⁰	AC-CD08ML-CDFL-RE ¹⁰	AC-CD08HL-CDBL-RE ¹⁰	AC-CD09ML-CDFL-RE ¹⁰	AC-CD09HL-CDBL-RE ¹⁰
-	-	AC-CD07MR-CDMR-RD ¹⁰	AC-CD07HR-CDHR-RD ¹⁰	AC-CD08MR-CDMR-RD ¹⁰	AC-CD08HR-CDHR-RD ¹⁰	AC-CD09MR-CDMR-RD ¹⁰	AC-CD09HR-CDHR-RD ¹⁰
AC-CBD06MR-CBDMR-RF ¹⁰	AC-CBD06HR-CBDHR-RF ¹⁰	-	-	-	-	-	-
-	-	AC-CD07MR-CDMR-RE ¹⁰	AC-CD07HR-CDHR-RE ¹⁰	AC-CD08MR-CDMR-RE ¹⁰	AC-CD08HR-CDHR-RE ¹⁰	AC-CD09MR-CDMR-RE ¹⁰	AC-CD09HR-CDHR-RE ¹⁰
-	-	AC-CD07ML-CDMR-RD ¹⁰	AC-CD07HL-CDHR-RD ¹⁰	AC-CD08ML-CDMR-RD ¹⁰	AC-CD08HL-CDHR-RD ¹⁰	AC-CD09ML-CDMR-RD ¹⁰	AC-CD09HL-CDHR-RD ¹⁰
AC-CBD06ML-CBDMR-RF ¹⁰	AC-CBD06HL-CBDHR-RF ¹⁰	-	-	-	-	-	-
-	-	AC-CD07ML-CDMR-RE ¹⁰	AC-CD07HL-CDHR-RE ¹⁰	AC-CD08ML-CDMR-RE ¹⁰	AC-CD08HL-CDHR-RE ¹⁰	AC-CD09ML-CDMR-RE ¹⁰	AC-CD09HL-CDHR-RE ¹⁰

Panel Cut Out



No of Contacts	2				3	
Rated Voltage (AC/DC)	300V				300V	
Nominal Current	5A		10A		5A	
Pin Assignment	FF	FM	FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact						

STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)

⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾ | Cable Type: PVC Jacket

	UL21388, Data Group	CD-02AFFM-RL8D⑪	CD-02AFMM-RL8D⑪	CB-02AFFM-RL8D⑪	CB-02AFMM-RL8D⑪	CD-03AFFM-RL8D⑪	CD-03AFMM-RL8D⑪
	UL21996, Hybrid Group	-	-	-	-	-	-
	UL STJW, Power Group	CD-02AFFM-RL8E⑪	CD-02AFMM-RL8E⑪	CB-02AFFM-RL8E⑪	CB-02AFMM-RL8E⑪	CD-03AFFM-RL8E⑪	CD-03AFMM-RL8E⑪

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Cable Type: PVC Jacket | Connector / Contact Gender: (F) FF, (B) FM

	UL21388, Data Group	AC-CD02FL-CDFL-RD⑩	AC-CD02BL-CDBL-RD⑩	AC-CB02FL-CBFL-RD⑩	AC-CB02BL-CBBL-RD⑩	AC-CD03FL-CDFL-RD⑩	AC-CD03BL-CDBL-RD⑩
	UL21996, Hybrid Group	-	-	-	-	-	-
	UL STJW, Power Group	AC-CD02FL-CDFL-RE⑩	AC-CD02BL-CDBL-RE⑩	AC-CB02FL-CBFL-RE⑩	AC-CB02BL-CBBL-RE⑩	AC-CD03FL-CDFL-RE⑩	AC-CD03BL-CDBL-RE⑩

Receptacle With Wires, Circular Flange, REAR Fastened Nut, IP68 (Unmated)

⑪ Wire Length: Wire Length: (10) 100mm ~ (A0) 1000mm²⁾ | Recommended Panel Thickness: Max. 5.0mm

	Wire for Data	CD-02RFFS-RC8C⑪	CD-02RFMS-RC8C⑪	CB-02RFFS-RC8C⑪	CB-02RFMS-RC8C⑪	CD-03RFFS-RC8C⑪	CD-03RFMS-RC8C⑪
	Wire for Power (with Ground)	CD-02RFFS-RC8D⑪	CD-02RFMS-RC8D⑪	CB-02RFFS-RC8D⑪	CB-02RFMS-RC8D⑪	CD-03RFFS-RC8D⑪	CD-03RFMS-RC8D⑪

Receptacle With Wires, Square Flange, REAR Fastened Screw, IP68 (Unmated)

⑪ Wire Length: Wire Length: (10) 100mm ~ (A0) 1000mm²⁾ | Recommended Panel Thickness: Max. 5.0mm

	Wire for Data	CD-02RFFS-RS8C⑪	CD-02RFMS-RS8C⑪	CB-02RFFS-RS8C⑪	CB-02RFMS-RS8C⑪	CD-03RFFS-RS8C⑪	CD-03RFMS-RS8C⑪
	Wire for Power (with Ground)	CD-02RFFS-RS8D⑪	CD-02RFMS-RS8D⑪	CB-02RFFS-RS8D⑪	CB-02RFMS-RS8D⑪	CD-03RFFS-RS8D⑪	CD-03RFMS-RS8D⑪









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

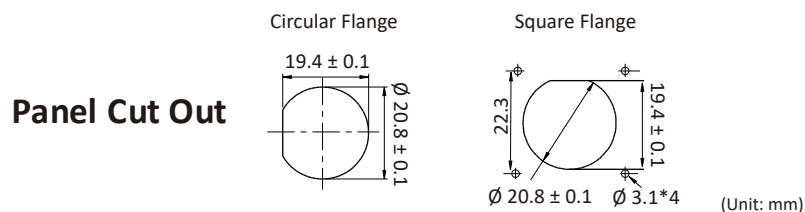
Sealing Nut Torque Value: 5 ~ 10 kgf·cm | Recommended Cable O.D.: (Seal 1) 4.5 ~ 7.5mm, (Seal 2) 7.6 ~ 9.5mm

	Crimp Contact	CD-02BFFC-RL7001	CD-02BFMC-RL7001	CB-02BFFC-RL7001	CB-02BFMC-RL7001	CD-03BFFC-RL7001	CD-03BFMC-RL7001
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¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

²⁾ Every 50mm As Per Extension









3		4				4 (3+1)	
300V		300V				300V	
10A		5A		10A		10A+5A	NEW
FF	FM	FF	FM	FF	FM	FF	FM
							
CB-03AFFM-RL8D ⁽¹¹⁾	CB-03AFMM-RL8D ⁽¹¹⁾	CD-04AFFM-RL8D ⁽¹¹⁾	CD-04AFMM-RL8D ⁽¹¹⁾	CB-04AFFM-RL8D ⁽¹¹⁾	CB-04AFMM-RL8D ⁽¹¹⁾	-	-
-	-	-	-	-	-	CBD-04AFFM-RL8F ⁽¹¹⁾	CBD-04AFMM-RL8F ⁽¹¹⁾
CB-03AFFM-RL8E ⁽¹¹⁾	CB-03AFMM-RL8E ⁽¹¹⁾	CD-04AFFM-RL8E ⁽¹¹⁾	CD-04AFMM-RL8E ⁽¹¹⁾	CB-04AFFM-RL8E ⁽¹¹⁾	CB-04AFMM-RL8E ⁽¹¹⁾	-	-
AC-CB03FL-CBFL-RD ⁽¹⁰⁾	AC-CB03BL-CBBL-RD ⁽¹⁰⁾	AC-CD04FL-CDFL-RD ⁽¹⁰⁾	AC-CD04BL-CDBL-RD ⁽¹⁰⁾	AC-CB04FL-CBFL-RD ⁽¹⁰⁾	AC-CB04BL-CBBL-RD ⁽¹⁰⁾	-	-
-	-	-	-	-	-	AC-CBD04FL-CBDL-RF ⁽¹⁰⁾	AC-CBD04BL-CBDBL-RF ⁽¹⁰⁾
AC-CB03FL-CBFL-RE ⁽¹⁰⁾	AC-CB03BL-CBBL-RE ⁽¹⁰⁾	AC-CD04FL-CDFL-RE ⁽¹⁰⁾	AC-CD04BL-CDBL-RE ⁽¹⁰⁾	AC-CB04FL-CBFL-RE ⁽¹⁰⁾	AC-CB04BL-CBBL-RE ⁽¹⁰⁾	-	-
CB-03RFFS-RC8C ⁽¹¹⁾	CB-03RFMS-RC8C ⁽¹¹⁾	CD-04RFFS-RC8C ⁽¹¹⁾	CD-04RFMS-RC8C ⁽¹¹⁾	CB-04RFFS-RC8C ⁽¹¹⁾	CB-04RFMS-RC8C ⁽¹¹⁾	CBD-04RFFS-RC8C ⁽¹¹⁾	CBD-04RFMS-RC8C ⁽¹¹⁾
CB-03RFFS-RC8D ⁽¹¹⁾	CB-03RFMS-RC8D ⁽¹¹⁾	CD-04RFFS-RC8D ⁽¹¹⁾	CD-04RFMS-RC8D ⁽¹¹⁾	CB-04RFFS-RC8D ⁽¹¹⁾	CB-04RFMS-RC8D ⁽¹¹⁾	-	-
CB-03RFFS-RS8C ⁽¹¹⁾	CB-03RFMS-RS8C ⁽¹¹⁾	CD-04RFFS-RS8C ⁽¹¹⁾	CD-04RFMS-RS8C ⁽¹¹⁾	CB-04RFFS-RS8C ⁽¹¹⁾	CB-04RFMS-RS8C ⁽¹¹⁾	CBD-04RFFS-RS8C ⁽¹¹⁾	CBD-04RFMS-RS8C ⁽¹¹⁾
CB-03RFFS-RS8D ⁽¹¹⁾	CB-03RFMS-RS8D ⁽¹¹⁾	CD-04RFFS-RS8D ⁽¹¹⁾	CD-04RFMS-RS8D ⁽¹¹⁾	CB-04RFFS-RS8D ⁽¹¹⁾	CB-04RFMS-RS8D ⁽¹¹⁾	-	-
CB-03BFFC-RL7001	CB-03BFMC-RL7001	CD-04BFFC-RL7001	CD-04BFMC-RL7001	CB-04BFFC-RL7001	CB-04BFMC-RL7001	-	-



No of Contacts	5		5 (3+2)		6	
Rated Voltage (AC/DC)	300V		300V		300V	
Nominal Current	5A		10A+5A NEW		5A	
Pin Assignment	FF	FM	FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact						
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)						
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾ Cable Type: PVC Jacket						
	UL21388, Data Group	CD-05AFFM-RL8D 11	CD-05AFMM-RL8D 11	-	-	CD-06AFFM-RL8D 11
	UL21996, Hybrid Group	-	-	CBD-05AFFM-RL8F 11	CBD-05AFMM-RL8F 11	-
	UL STJW, Power Group	CD-05AFFM-RL8E 11	CD-05AFMM-RL8E 11	-	-	CD-06AFFM-RL8E 11
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)						
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Cable Type: PVC Jacket Connector / Contact Gender: (F) FF, (B) FM						
	UL21388, Data Group	AC-CD05FL-CDFL-RD 10	AC-CD05BL-CDBL-RD 10	-	-	AC-CD06FL-CDFL-RD 10
	UL21996, Hybrid Group	-	-	AC-CBD05FL-CBDL-RF 10	AC-CBD05BL-CBDL-RF 10	-
	UL STJW, Power Group	AC-CD05FL-CDFL-RE 10	AC-CD05BL-CDBL-RE 10	-	-	AC-CD06FL-CDFL-RE 10
Receptacle With Wires, Circular Flange, REAR Fastened Nut, IP68 (Unmated)						
11 Wire Length: Wire Length: (10) 100mm ~ (A0) 1000mm ²⁾ Recommended Panel Thickness: Max. 5.0mm						
	Wire for Data	CD-05RFFS-RC8C 11	CD-05RFMS-RC8C 11	CBD-05RFFS-RC8C 11	CBD-05RFMS-RC8C 11	CD-06RFFS-RC8C 11
	Wire for Power (with Ground)	CD-05RFFS-RC8D 11	CD-05RFMS-RC8D 11	-	-	CD-06RFFS-RC8D 11
Receptacle With Wires, Square Flange, REAR Fastened Screw, IP68 (Unmated)						
11 Wire Length: Wire Length: (10) 100mm ~ (A0) 1000mm ²⁾ Recommended Panel Thickness: Max. 5.0mm						
	Wire for Data	CD-05RFFS-RS8C 11	CD-05RFMS-RS8C 11	CBD-05RFFS-RS8C 11	CBD-05RFMS-RS8C 11	CD-06RFFS-RS8C 11
	Wire for Power (with Ground)	CD-05RFFS-RS8D 11	CD-05RFMS-RS8D 11	-	-	CD-06RFFS-RS8D 11
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)						
Sealing Nut Torque Value: 5 ~ 10 kgf·cm Recommended Cable O.D.: (Seal 1) 4.5 ~ 7.5mm, (Seal 2) 7.6 ~ 9.5mm						
	Crimp Contact	CD-05BFFC-RL7001	CD-05BFMC-RL7001	-	-	CD-06BFFC-RL7001

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

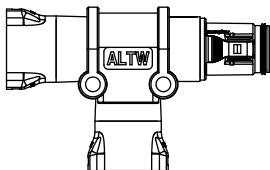
²⁾ Every 50mm As Per Extension

6 (3+3)		7		8		9	
300V		300V		300V		300V	
10A+5A NEW		5A		5A		5A	
FF	FM	FF	FM	FF	FM	FF	FM
							
-	-	CD-07AFFM- RL8D ¹¹	CD-07AFMM- RL8D ¹¹	CD-08AFFM- RL8D ¹¹	CD-08AFMM- RL8D ¹¹	CD-09AFFM- RL8D ¹¹	CD-09AFMM- RL8D ¹¹
CBD-06AFFM- RL8F ¹¹	CBD-06AFMM- RL8F ¹¹	-	-	-	-	-	-
-	-	CD-07AFFM- RL8E ¹¹	CD-07AFMM- RL8E ¹¹	CD-08AFFM- RL8E ¹¹	CD-08AFMM- RL8E ¹¹	CD-09AFFM- RL8E ¹¹	CD-09AFMM- RL8E ¹¹
-	-	AC-CD07FL- CDFL-RD ¹⁰	AC-CD07BL- CDBL-RD ¹⁰	AC-CD08FL- CDFL-RD ¹⁰	AC-CD08BL- CDBL-RD ¹⁰	AC-CD09FL- CDFL-RD ¹⁰	AC-CD09BL- CDBL-RD ¹⁰
AC-CBD06FL- CBDFL-RF ¹⁰	AC-CBD06BL- CBDBL-RF ¹⁰	-	-	-	-	-	-
-	-	AC-CD07FL- CDFL-RE ¹⁰	AC-CD07BL- CDBL-RE ¹⁰	AC-CD08FL- CDFL-RE ¹⁰	AC-CD08BL- CDBL-RE ¹⁰	AC-CD09FL- CDFL-RE ¹⁰	AC-CD09BL- CDBL-RE ¹⁰
CBD-06RFFS- RC8C ¹¹	CBD-06RFMS- RC8C ¹¹	CD-07RFFS- RC8C ¹¹	CD-07RFMS- RC8C ¹¹	CD-08RFFS- RC8C ¹¹	CD-08RFMS- RC8C ¹¹	CD-09RFFS- RC8C ¹¹	CD-09RFMS- RC8C ¹¹
-	-	CD-07RFFS- RC8D ¹¹	CD-07RFMS- RC8D ¹¹	CD-08RFFS- RC8D ¹¹	CD-08RFMS- RC8D ¹¹	CD-09RFFS- RC8D ¹¹	CD-09RFMS- RC8D ¹¹
CBD-06RFFS- RS8C ¹¹	CBD-06RFMS- RS8C ¹¹	CD-07RFFS- RS8C ¹¹	CD-07RFMS- RS8C ¹¹	CD-08RFFS- RS8C ¹¹	CD-08RFMS- RS8C ¹¹	CD-09RFFS- RS8C ¹¹	CD-09RFMS- RS8C ¹¹
-	-	CD-07RFFS- RS8D ¹¹	CD-07RFMS- RS8D ¹¹	CD-08RFFS- RS8D ¹¹	CD-08RFMS- RS8D ¹¹	CD-09RFFS- RS8D ¹¹	CD-09RFMS- RS8D ¹¹
-	-	CD-07BFFC- RL7001	CD-07BFMC- RL7001	CD-08BFFC- RL7001	CD-08BFMC- RL7001	CD-09BFFC- RL7001	CD-09BFMC- RL7001

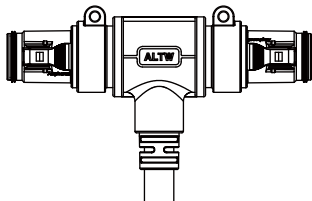
Customization - Upon Request



I Adaptor

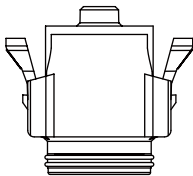


T Adaptor

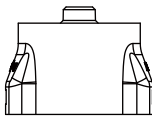


T Cable

Waterproof Cap



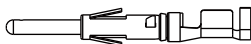
Mating Pair (Gender): Female



Mating Pair (Gender): Male

Size	Mating Pair	Mating Style	Mating Pair (Gender)	Part Number
Middle C Size (13/16"-28 UNS)	Receptacle	Snap-in with Latch	Male	CAP-WACMRMA1
	Field Serviceable/Installable			
	Overmolded with Cable		Female	CAP-WACFRMA1

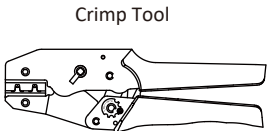
Contacts and Tools



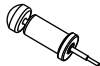
10A



5A



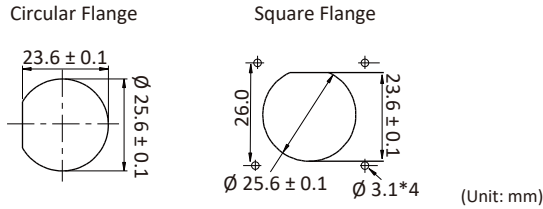
Crimp Tool



Extraction Tool

For Contact Size	Wire Range	Contact Gender	Contact	Crimp Tool	Extraction Tool
10A	18AWG ~ 16AWG (0.75mm ² ~ 1.50mm ²)	Male	SAM16B-01G03 (2,000 pcs/Reel)	CTL-161801	PET-161801
			SAM16B-02G03 (500 pcs/Bulk)		
			SAM16B-03G03 (100 pcs/Bulk)		
		Female	SAF16B-01G03 (2,000 pcs/Reel)		
			SAF16B-02G03 (500 pcs/Bulk)		
			SAF16B-03G03 (100 pcs/Bulk)		
5A	24AWG ~ 20AWG (0.25mm ² ~ 0.50mm ²)	Male	SAM20D-01G03 (3,500 pcs/Reel)	CTL-202401	PET-202401
			SAM20D-02G03 (500 pcs/Bulk)		
			SAM20D-02G03 (100 pcs/Bulk)		
		Female	SAF20D-01G03 (3,500 pcs/Reel)		
			SAF20D-02G03 (500 pcs/Bulk)		
			SAF20D-02G03 (100 pcs/Bulk)		

Panel Cut Out



No of Contacts	2		3		4	
Rated Voltage (AC/DC)	300V		300V		300V	
Nominal Current	20A		20A		20A	
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						

STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)

⑪ Cable Length: (01) 1M ~ (99) 99M⁽¹⁾ | Cable Type: PVC Jacket

	UL21388, Data Group	-	-	-	-	-	-
	UL21996, Hybrid Group	-	-	-	-	-	-
	UL STJW, Power Group	DC-02AMMM-RL8E⑪	DC-02AMFM-RL8E⑪	DC-03AMMM-RL8E⑪	DC-03AMFM-RL8E⑪	DC-04AMMM-RL8E⑪	DC-04AMFM-RL8E⑪

RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)

⑪ Cable Length: (01) 1M ~ (99) 99M⁽¹⁾ | Cable Type: PVC Jacket

	UL21388, Data Group	-	-	-	-	-	-
	UL21996, Hybrid Group	-	-	-	-	-	-
	UL STJW, Power Group	DC-02AMMM-RR8E⑪*	DC-02AMFM-RR8E⑪*	DC-03AMMM-RR8E⑪*	DC-03AMFM-RR8E⑪*	DC-04AMMM-RR8E⑪*	DC-04AMFM-RR8E⑪*

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

Sealing Nut Torque Value: 5 ~ 10 kgf·cm | Recommended Cable O.D.: (Seal 1) 4.5 ~ 7.5mm, (Seal 2) 7.6 ~ 9.5mm

	Crimp Contact	DC-02BMM-C-RL7001	DC-02BMF-C-RL7001	DC-03BMM-C-RL7001	DC-03BMF-C-RL7001	DC-04BMM-C-RL7001	DC-04BMF-C-RL7001

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M⁽¹⁾ | Cable Type: PVC Jacket | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	UL21388, Data Group	-	-	-	-	-	-
	UL21996, Hybrid Group	-	-	-	-	-	-
	UL STJW, Power Group	AC-DC02ML-DCML-RE⑩	AC-DC02HL-DCHL-RE⑩	AC-DC03ML-DCML-RE⑩	AC-DC03HL-DCHL-RE⑩	AC-DC04ML-DCML-RE⑩	AC-DC04HL-DCHL-RE⑩
	UL21388, Data Group	-	-	-	-	-	-
	UL21996, Hybrid Group	-	-	-	-	-	-
	UL STJW, Power Group	AC-DC02ML-DCFL-RE⑩	AC-DC02HL-DCBL-RE⑩	AC-DC03ML-DCFL-RE⑩	AC-DC03HL-DCBL-RE⑩	AC-DC04ML-DCFL-RE⑩	AC-DC04HL-DCBL-RE⑩

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M⁽¹⁾ | Cable Type: PVC Jacket | Connector / Contact Gender: (M) MM, (H) MF

	UL21388, Data Group	-	-	-	-	-	-
	UL21996, Hybrid Group	-	-	-	-	-	-
	UL STJW, Power Group	AC-DC02MR-DCMR-RE⑩*	AC-DC02HR-DCHR-RE⑩*	AC-DC03MR-DCMR-RE⑩*	AC-DC03HR-DCHR-RE⑩*	AC-DC04MR-DCMR-RE⑩*	AC-DC04HR-DCHR-RE⑩*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M⁽¹⁾ | Cable Type: PVC Jacket | Connector / Contact Gender: (M) MM, (H) MF

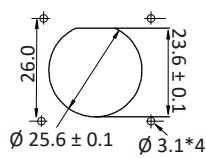
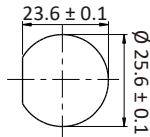
	UL21388, Data Group	-	-	-	-	-	-
	UL21996, Hybrid Group	-	-	-	-	-	-
	UL STJW, Power Group	AC-DC02ML-DCMR-RE⑩*	AC-DC02HL-DCHR-RE⑩*	AC-DC03ML-DCMR-RE⑩*	AC-DC03HL-DCHR-RE⑩*	AC-DC04ML-DCMR-RE⑩*	AC-DC04HL-DCHR-RE⑩*

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

Panel Cut Out

Circular Flange

Square Flange



(Unit: mm)

No of Contacts	4		5		5	
Rated Voltage (AC/DC)	300V		300V		300V	
Nominal Current	20A+5A		5A		20A+5A	
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						

STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾ | Cable Type: PVC Jacket

	UL21388, Data Group	-	-	DD-05AMMM-RL8D ¹¹	DD-05AMFM-RL8D ¹¹	-	-
	UL21996, Hybrid Group	DCD-04AMMM-RL8F ¹¹	DCD-04AMFM-RL8F ¹¹	-	-	DCD-05AMMM-RL8F ¹¹	DCD-05AMFM-RL8F ¹¹
	UL STJW, Power Group	-	-	-	-	-	-

RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾ | Cable Type: PVC Jacket

	UL21388, Data Group	-	-	DD-05AMMM-RR8D ¹¹ *	DD-05AMFM-RR8D ¹¹ *	-	-
	UL21996, Hybrid Group	DCD-4AMMM-RR8F ¹¹ *	DCD-4AMFM-RR8F ¹¹ *	-	-	DCD-5AMMM-RR8F ¹¹ *	DCD-5AMFM-RR8F ¹¹ *
	UL STJW, Power Group	-	-	-	-	-	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (999) 99M¹⁾ | Cable Type: PVC Jacket | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	UL21388, Data Group	-	-	AC-DD05ML-DDML-RD ¹⁰	AC-DD05HL-DDHL-RD ¹⁰	-	-
	UL21996, Hybrid Group	AC-DCD04ML-DCDML-RF ¹⁰	AC-DCD04HL-DCDHL-RF ¹⁰	-	-	AC-DCD05ML-DCDML-RF ¹⁰	AC-DCD05HL-DCDHL-RF ¹⁰
	UL STJW, Power Group	-	-	-	-	-	-
	UL21388, Data Group	-	-	AC-DD05ML-DDFL-RD ¹⁰	AC-DD05HL-DDBL-RD ¹⁰	-	-
	UL21996, Hybrid Group	AC-DCD04ML-DCDFL-RF ¹⁰	AC-DCD04HL-DCDBL-RF ¹⁰	-	-	AC-DCD05ML-DCDFL-RF ¹⁰	AC-DCD05HL-DCDBL-RF ¹⁰
	UL STJW, Power Group	-	-	-	-	-	-

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (999) 99M¹⁾ | Cable Type: PVC Jacket | Connector / Contact Gender: (M) MM, (H) MF

	UL21388, Data Group	-	-	AC-DD05MR-DDMR-RD ¹⁰ *	AC-DD05HR-DDHR-RD ¹⁰ *	-	-
	UL21996, Hybrid Group	AC-DCD04MR-DCDMR-RF ¹⁰ *	AC-DCD04HR-DCDHR-RF ¹⁰ *	-	-	AC-DCD05MR-DCDMR-RF ¹⁰ *	AC-DCD05HR-DCDHR-RF ¹⁰ *
	UL STJW, Power Group	-	-	-	-	-	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (999) 99M¹⁾ | Cable Type: PVC Jacket | Connector / Contact Gender: (M) MM, (H) MF

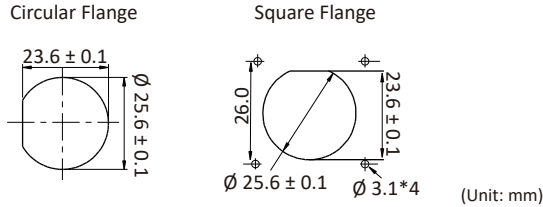
	UL21388, Data Group	-	-	AC-DD05ML-DDMR-RD ¹⁰ *	AC-DD05HL-DDHR-RD ¹⁰ *	-	-
	UL21996, Hybrid Group	AC-DCD4ML-DCDMR-RF ¹⁰ *	AC-DCD4HL-DCDHR-RF ¹⁰ *	-	-	AC-DCD5ML-DCDMR-RF ¹⁰ *	AC-DCD5HL-DCDHR-RF ¹⁰ *
	UL STJW, Power Group	-	-	-	-	-	-

* Upon Request

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

6		6		7		7		8	
300V		300V		300V		300V		300V	
5A		20A+5A		5A		20A+5A		5A	
MM	MF	MM	MF	MM	MF	MM	MF	MM	MF
DD-06AMMM-RL8D ⁽¹¹⁾	DD-06AMFM-RL8D ⁽¹¹⁾	-	-	DD-07AMMM-RL8D ⁽¹¹⁾	DD-07AMFM-RL8D ⁽¹¹⁾	-	-	DD-08AMMM-RL8D ⁽¹¹⁾	DD-08AMFM-RL8D ⁽¹¹⁾
-	-	DCD-06AMMM-RL8F ⁽¹¹⁾	DCD-06AMFM-RL8F ⁽¹¹⁾	-	-	DCD-07AMMM-RL8F ⁽¹¹⁾	DCD-07AMFM-RL8F ⁽¹¹⁾	-	-
-	-	-	-	-	-	-	-	-	-
DD-06AMMM-RR8D ^{(11)*}	DD-06AMFM-RR8D ^{(11)*}	-	-	DD-07AMMM-RR8D ^{(11)*}	DD-07AMFM-RR8D ^{(11)*}	-	-	DD-08AMMM-RR8D ^{(11)*}	DD-08AMFM-RR8D ^{(11)*}
-	-	DCD-6AMMM-RR8F ^{(11)*}	DCD-6AMFM-RR8F ^{(11)*}	-	-	DCD-7AMMM-RR8F ^{(11)*}	DCD-7AMFM-RR8F ^{(11)*}	-	-
-	-	-	-	-	-	-	-	-	-
AC-DD06ML-DDML-RD ⁽¹⁰⁾	AC-DD06HL-DDHL-RD ⁽¹⁰⁾	-	-	AC-DD07ML-DDML-RD ⁽¹⁰⁾	AC-DD07HL-DDHL-RD ⁽¹⁰⁾	-	-	AC-DD08ML-DDML-RD ⁽¹⁰⁾	AC-DD08HL-DDHL-RD ⁽¹⁰⁾
-	-	AC-DCD06ML-DCDML-RF ⁽¹⁰⁾	AC-DCD06HL-DCDHL-RF ⁽¹⁰⁾	-	-	AC-DCD07ML-DCDML-RF ⁽¹⁰⁾	AC-DCD07HL-DCDHL-RF ⁽¹⁰⁾	-	-
-	-	-	-	-	-	-	-	-	-
AC-DD06ML-DDFL-RD ⁽¹⁰⁾	AC-DD06HL-DDBL-RD ⁽¹⁰⁾	-	-	AC-DD07ML-DDFL-RD ⁽¹⁰⁾	AC-DD07HL-DDBL-RD ⁽¹⁰⁾	-	-	AC-DD08ML-DDFL-RD ⁽¹⁰⁾	AC-DD08HL-DDBL-RD ⁽¹⁰⁾
-	-	AC-DCD06ML-DCDFL-RF ⁽¹⁰⁾	AC-DCD06HL-DCDBL-RF ⁽¹⁰⁾	-	-	AC-DCD07ML-DCDFL-RF ⁽¹⁰⁾	AC-DCD07HL-DCDBL-RF ⁽¹⁰⁾	-	-
-	-	-	-	-	-	-	-	-	-
AC-DD06MR-DDMR-RD ^{(10)*}	AC-DD06HR-DDHR-RD ^{(10)*}	-	-	AC-DD07MR-DDMR-RD ^{(10)*}	AC-DD07HR-DDHR-RD ^{(10)*}	-	-	AC-DD08MR-DDMR-RD ^{(10)*}	AC-DD08HR-DDHR-RD ^{(10)*}
-	-	AC-DCD06MR-DCDMR-RF ^{(10)*}	AC-DCD06HR-DCDHR-RF ^{(10)*}	-	-	AC-DCD07MR-DCDMR-RF ^{(10)*}	AC-DCD07HR-DCDHR-RF ^{(10)*}	-	-
-	-	-	-	-	-	-	-	-	-
AC-DD06ML-DDMR-RD ^{(10)*}	AC-DD06HL-DDHR-RD ^{(10)*}	-	-	AC-DD07ML-DDMR-RD ^{(10)*}	AC-DD07HL-DDHR-RD ^{(10)*}	-	-	AC-DD08ML-DDMR-RD ^{(10)*}	AC-DD08HL-DDHR-RD ^{(10)*}
-	-	AC-DCD6ML-DCDMR-RF ^{(10)*}	AC-DCD6HL-DCDHR-RF ^{(10)*}	-	-	AC-DCD7ML-DCDMR-RF ^{(10)*}	AC-DCD7HL-DCDHR-RF ^{(10)*}	-	-
-	-	-	-	-	-	-	-	-	-

Panel Cut Out



No of Contacts	8		9		10	
Rated Voltage (AC/DC)	300V		300V		300V	
Nominal Current	20A+5A		5A		5A	
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						

STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾ | Cable Type: PVC Jacket

	UL21388, Data Group	-	-	DD-09AMMM-RL8D ¹¹	DD-09AMFM-RL8D ¹¹	DD-10AMMM-RL8D ¹¹	DD-10AMFM-RL8D ¹¹
	UL21996, Hybrid Group	DCD-08AMMM-RL8F ¹¹	DCD-08AMFM-RL8F ¹¹	-	-	-	-
	UL STJW, Power Group	-	-	-	-	-	-

RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾ | Cable Type: PVC Jacket

	UL21388, Data Group	-	-	DD-09AMMM-RR8D ¹¹ *	DD-09AMFM-RR8D ¹¹ *	DD-10AMMM-RR8D ¹¹ *	DD-10AMFM-RR8D ¹¹ *
	UL21996, Hybrid Group	DCD-8AMMM-RR8F ¹¹ *	DCD-8AMFM-RR8F ¹¹ *	-	-	-	-
	UL STJW, Power Group	-	-	-	-	-	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

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

	UL21388, Data Group	-	-	AC-DD09ML-DDML-RD ¹⁰	AC-DD09HL-DDHL-RD ¹⁰	AC-DD10ML-DDML-RD ¹⁰	AC-DD10HL-DDHL-RD ¹⁰
	UL21996, Hybrid Group	AC-DCD08ML-DCDML-RF ¹⁰	AC-DCD08HL-DCDHL-RF ¹⁰	-	-	-	-
	UL STJW, Power Group	-	-	-	-	-	-
	UL21388, Data Group	-	-	AC-DD09ML-DDFL-RD ¹⁰	AC-DD09HL-DDBL-RD ¹⁰	AC-DD10ML-DDFL-RD ¹⁰	AC-DD10HL-DDBL-RD ¹⁰
	UL21996, Hybrid Group	AC-DCD08ML-DCDFL-RF ¹⁰	AC-DCD08HL-DCDBL-RF ¹⁰	-	-	-	-
	UL STJW, Power Group	-	-	-	-	-	-

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Cable Type: PVC Jacket | Connector / Contact Gender: (M) MM, (H) MF

	UL21388, Data Group	-	-	AC-DD09MR-DDMR-RD ¹⁰ *	AC-DD09HR-DDHR-RD ¹⁰ *	AC-DD10MR-DDMR-RD ¹⁰ *	AC-DD10HR-DDHR-RD ¹⁰ *
	UL21996, Hybrid Group	AC-DCD08MR-DCDMR-RF ¹⁰ *	AC-DCD08HR-DCDHR-RF ¹⁰ *	-	-	-	-
	UL STJW, Power Group	-	-	-	-	-	-






STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Cable Type: PVC Jacket | Connector / Contact Gender: (M) MM, (H) MF

	UL21388, Data Group	-	-	AC-DD09ML-DDMR-RD ¹⁰ *	AC-DD09HL-DDHR-RD ¹⁰ *	AC-DD10ML-DDMR-RD ¹⁰ *	AC-DD10HL-DDHR-RD ¹⁰ *
	UL21996, Hybrid Group	AC-DCD8ML-DCDMR-RF ¹⁰ *	AC-DCD8HL-DCDHR-RF ¹⁰ *	-	-	-	-
	UL STJW, Power Group	-	-	-	-	-	-

* Upon Request

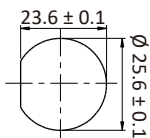
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

12		14		18
300V		300V		300V
5A		5A		5A
MM	MF	MM	MF	MM
				
DD-12AMMM-RL8D ¹¹	DD-12AMFM-RL8D ¹¹	DD-14AMMM-RL8D ¹¹	DD-14AMFM-RL8D ¹¹	DD-18AMMM-RL8D ¹¹
-	-	-	-	-
-	-	-	-	-
DD-12AMMM-RR8D ^{11*}	DD-12AMFM-RR8D ^{11*}	DD-14AMMM-RR8D ^{11*}	DD-14AMFM-RR8D ^{11*}	DD-18AMMM-RR8D ^{11*}
-	-	-	-	-
-	-	-	-	-

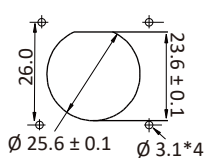
AC-DD12ML-DDML-RD ¹⁰	AC-DD12HL-DDHL-RD ¹⁰	AC-DD14ML-DDML-RD ¹⁰	AC-DD14HL-DDHL-RD ¹⁰	AC-DD18ML-DDML-RD ¹⁰
-	-	-	-	-
-	-	-	-	-
AC-DD12ML-DDFL-RD ¹⁰	AC-DD12HL-DDBL-RD ¹⁰	AC-DD14ML-DDFL-RD ¹⁰	AC-DD14HL-DDBL-RD ¹⁰	AC-DD18ML-DDFL-RD ¹⁰
-	-	-	-	-
-	-	-	-	-
AC-DD12MR-DDMR-RD ^{10*}	AC-DD12HR-DDHR-RD ^{10*}	AC-DD14MR-DDMR-RD ^{10*}	AC-DD14HR-DDHR-RD ^{10*}	AC-DD18MR-DDMR-RD ^{10*}
-	-	-	-	-
-	-	-	-	-
AC-DD12ML-DDMR-RD ^{10*}	AC-DD12HL-DDHR-RD ^{10*}	AC-DD14ML-DDMR-RD ^{10*}	AC-DD14HL-DDHR-RD ^{10*}	AC-DD18ML-DDMR-RD ^{10*}
-	-	-	-	-
-	-	-	-	-

Panel Cut Out

Circular Flange



Square Flange













(Unit: mm)

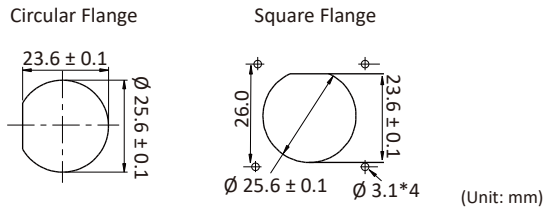
No of Contacts	2		3		4	
Rated Voltage (AC/DC)	300V		300V		300V	
Nominal Current	20A		20A		20A	
Pin Assignment	FF	FM	FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact						
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)						
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾ Cable Type: PVC Jacket						
	UL21388, Data Group	-	-	-	-	-
	UL21996, Hybrid Group	-	-	-	-	-
	UL STJW, Power Group	DC-02AFFM-RL8E11	DC-02AFMM-RL8E11	DC-03AFFM-RL8E11	DC-03AFMM-RL8E11	DC-04AFFM-RL8E11
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)						
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Cable Type: PVC Jacket Connector / Contact Gender: (F) FF, (B) FM						
	UL21388, Data Group	-	-	-	-	-
	UL21996, Hybrid Group	-	-	-	-	-
	UL STJW, Power Group	AC-DC02FL-DCFL-RE10	AC-DC02BL-DCBL-RE10	AC-DC03FL-DCFL-RE10	AC-DC03BL-DCBL-RE10	AC-DC04FL-DCFL-RE10
Receptacle With Wires, Circular Flange, REAR Fastened Nut, IP68 (Unmated)						
11 Wire Length: Wire Length: (10) 100mm ~ (A0) 1000mm ²⁾ Recommended Panel Thickness: Max. 5.0mm						
	UL21388, Data Group	-	-	-	-	-
	UL21996, Hybrid Group	-	-	-	-	-
	UL STJW, Power Group	DC-02RFFS-RC8D11	DC-02RFMS-RC8D11	DC-03RFFS-RC8D11	DC-03RFMS-RC8D11	DC-04RFFS-RC8D11
Receptacle With Wires, Square Flange, REAR Fastened Nut, IP68 (Unmated)						
11 Wire Length: Wire Length: (10) 100mm ~ (A0) 1000mm ²⁾ Recommended Panel Thickness: Max. 5.0mm						
	UL21388, Data Group	-	-	-	-	-
	UL21996, Hybrid Group	-	-	-	-	-
	UL STJW, Power Group	DC-02RFFS-RS8D11	DC-02RFMS-RS8D11	DC-03RFFS-RS8D11	DC-03RFMS-RS8D11	DC-04RFFS-RS8D11
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)						
Sealing Nut Torque Value: 8 ~ 15 kgf·cm Recommended Cable O.D.: Seal For Cable OD: 9.0 ~ 11.0mm						
	Crimp Contact	DC-02BFFC-RL7001	DC-02BFMC-RL7001	DC-03BFFC-RL7001	DC-03BFMC-RL7001	DC-04BFFC-RL7001

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

²⁾ Every 50mm As Per Extension

4		5		5		6		6	
300V		300V		300V		300V		300V	
20A+5A		5A		20A+5A		5A		20A+5A	
FF	FM	FF	FM	FF	FM	FF	FM	FF	FM
									
-	-	DD-05AFFM-RL8D11	DD-05AFMM-RL8D11	-	-	DD-06AFFM-RL8D11	DD-06AFMM-RL8D11	-	-
DCD-4AFFM-RL8F11	DCD-4AFMM-RL8F11	-	-	DCD-5AFFM-RL8F11	DCD-5AFMM-RL8F11	-	-	DCD-6AFFM-RL8F11	DCD-6AFMM-RL8F11
-	-	-	-	-	-	-	-	-	-
-	-	AC-DD05FL-DDFL-RD10	AC-DD05BL-DDBL-RD10	-	-	AC-DD06FL-DDFL-RD10	AC-DD06BL-DDBL-RD10	-	-
AC-DCD4FL-DCDFL-RF10	AC-DCD4BL-DCDBL-RF10	-	-	AC-DCD5FL-DCDFL-RF10	AC-DCD5BL-DCDBL-RF10	-	-	AC-DCD6FL-DCDFL-RF10	AC-DCD6BL-DCDBL-RF10
-	-	-	-	-	-	-	-	-	-
-	-	DD-05RFFS-RC8C11	DD-05RFMS-RC8C11	-	-	DD-06RFFS-RC8C11	DD-06RFMS-RC8C11	-	-
DCD-4RFFS-RC8C11	DCD-4RFMS-RC8C11	-	-	DCD-5RFFS-RC8C11	DCD-5RFMS-RC8C11	-	-	DCD-6RFFS-RC8C11	DCD-6RFMS-RC8C11
-	-	-	-	-	-	-	-	-	-
-	-	DD-05RFFS-RS8C11	DD-05RFMS-RS8C11	-	-	DD-06RFFS-RS8C11	DD-06RFMS-RS8C11	-	-
DCD-4RFFS-RS8C11	DCD-4RFMS-RS8C11	-	-	DCD-5RFFS-RS8C11	DCD-5RFMS-RS8C11	-	-	DCD-6RFFS-RS8C11	DCD-6RFMS-RS8C11
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Panel Cut Out



No of Contacts	7		7		8	
Rated Voltage (AC/DC)	300V		300V		300V	
Nominal Current	5A		20A+5A		5A	
Pin Assignment	FF	FM	FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact						

STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP68 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾ | Cable Type: PVC Jacket

	UL21388, Data Group	DD-07AFFM-RL8D ¹¹	DD-07AFMM-RL8D ¹¹	-	-	DD-08AFFM-RL8D ¹¹	DD-08AFMM-RL8D ¹¹
	UL21996, Hybrid Group	-	-	DCD-7AFFM-RL8F ¹¹	DCD-7AFMM-RL8F ¹¹	-	-
	UL STJW, Power Group	-	-	-	-	-	-

Receptacle With Wires, Circular Flange, REAR Fastened Nut, IP68 (Unmated)

11 Wire Length: Wire Length: (10) 100mm ~ (A0) 1000mm²⁾ | Recommended Panel Thickness: Max. 5.0mm

	UL21388, Data Group	DD-07RFFS-RC8C ¹¹	DD-07RFMS-RC8C ¹¹	-	-	DD-08RFFS-RC8C ¹¹	DD-08RFMS-RC8C ¹¹
	UL21996, Hybrid Group	-	-	DCD-7RFFS-RC8C ¹¹	DCD-7RFMS-RC8C ¹¹	-	-
	UL STJW, Power Group	-	-	-	-	-	-

Receptacle With Wires, Square Flange, REAR Fastened Nut, IP68 (Unmated)

11 Wire Length: Wire Length: (10) 100mm ~ (A0) 1000mm²⁾ | Recommended Panel Thickness: Max. 5.0mm

	UL21388, Data Group	DD-07RFFS-RS8C ¹¹	DD-07RFMS-RS8C ¹¹	-	-	DD-08RFFS-RS8C ¹¹	DD-08RFMS-RS8C ¹¹
	UL21996, Hybrid Group	-	-	DCD-7RFFS-RS8C ¹¹	DCD-7RFMS-RS8C ¹¹	-	-
	UL STJW, Power Group	-	-	-	-	-	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

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

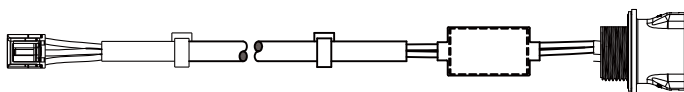
	UL21388, Data Group	AC-DD07FL-DDBL-RD ¹⁰	AC-DD07FL-DDBL-RD ¹⁰	-	-	AC-DD08FL-DDFL-RD ¹⁰	AC-DD08BL-DDBL-RD ¹⁰
	UL21996, Hybrid Group	-	-	AC-DCD7FL-DCDFL-RF ¹⁰	AC-DCD7BL-DCDBL-RF ¹⁰	-	-

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

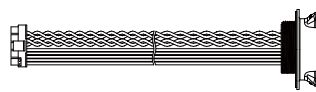
²⁾ Every 50mm As Per Extension

Customization - Upon Request

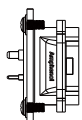
> Receptacle














Receptacle With Wires (Ferrite Core and Housing Added)



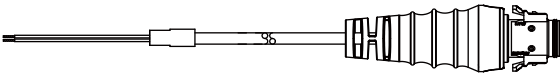
Receptacle With Twisted Wires (Housing Added)



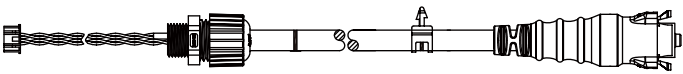
Receptacle With PCB Pin

8		9		10		12		14		18
300V		300V		300V		300V		300V		300V
20A+5A		5A		5A		5A		5A		5A
FF	FM	FF	FM	FF	FM	FF	FM	FF	FM	FF
										
-	-	DD-09AFFM-RL8D11	DD-09AFMM-RL8D11	DD-10AFFM-RL8D11	DD-10AFMM-RL8D11	DD-12AFFM-RL8D11	DD-12AFMM-RL8D11	DD-14AFFM-RL8D11	DD-14AFMM-RL8D11	DD-18AFFM-RL8D11
DCD-8AFFM-RL8F11	DCD-8AFMM-RL8F11	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	DD-09RFFS-RC8C11	DD-09RFMS-RC8C11	DD-10RFFS-RC8C11	DD-10RFMS-RC8C11	DD-12RFFS-RC8C11	DD-12RFMS-RC8C11	DD-14RFFS-RC8C11	DD-14RFMS-RC8C11	DD-18RFFS-RC8C11
DCD-8RFFS-RC8C11	DCD-8RFMS-RC8C11	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	DD-09RFFS-RS8C11	DD-09RFMS-RS8C11	DD-10RFFS-RS8C11	DD-10RFMS-RS8C11	DD-12RFFS-RS8C11	DD-12RFMS-RS8C11	DD-14RFFS-RS8C11	DD-14RFMS-RS8C11	DD-18RFFS-RS8C11
DCD-8RFFS-RS8C11	DCD-8RFMS-RS8C11	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	AC-DD09FL-DDFL-RD10	AC-DD09BL-DDBL-RD10	AC-DD10FL-DDFL-RD10	AC-DD10BL-DDBL-RD10	AC-DD12FL-DDFL-RD10	AC-DD12BL-DDBL-RD10	AC-DD14FL-DDFL-RD10	AC-DD14BL-DDBL-RD10	AC-DD18FL-DDFL-RD10
AC-DCD8FL-DCDFL-RF10	AC-DCD8BL-DCDBL-RF10	-	-	-	-	-	-	-	-	-

> Overmolded with Cable



Overmolded With Cable (Cable Jacket Stripped and Tinned)

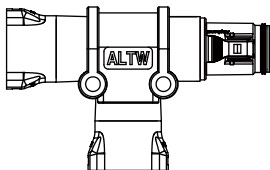


Overmolded With Cable (Cap, Cable Gland and Housing added)

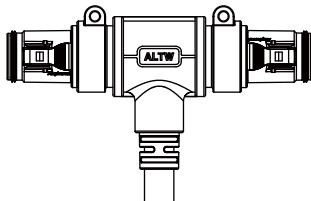
Customization - Upon Request



I Adaptor

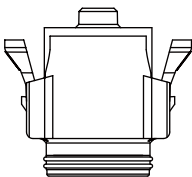


T Adaptor

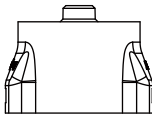


T Cable

Waterproof Cap



Mating Pair (Gender): Female



Mating Pair (Gender): Male

Size	Mating Pair	Mating Style	Mating Pair (Gender)	Part Number
Large D Size (1"-20 UNS)	Receptacle	Snap-in with Latch	Male	CAP-WADMRMA1
	Field Serviceable/Installable		Female	CAP-WADFRMA1
	Overmolded with Cable			

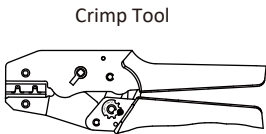
Contacts and Tools



20A



5A

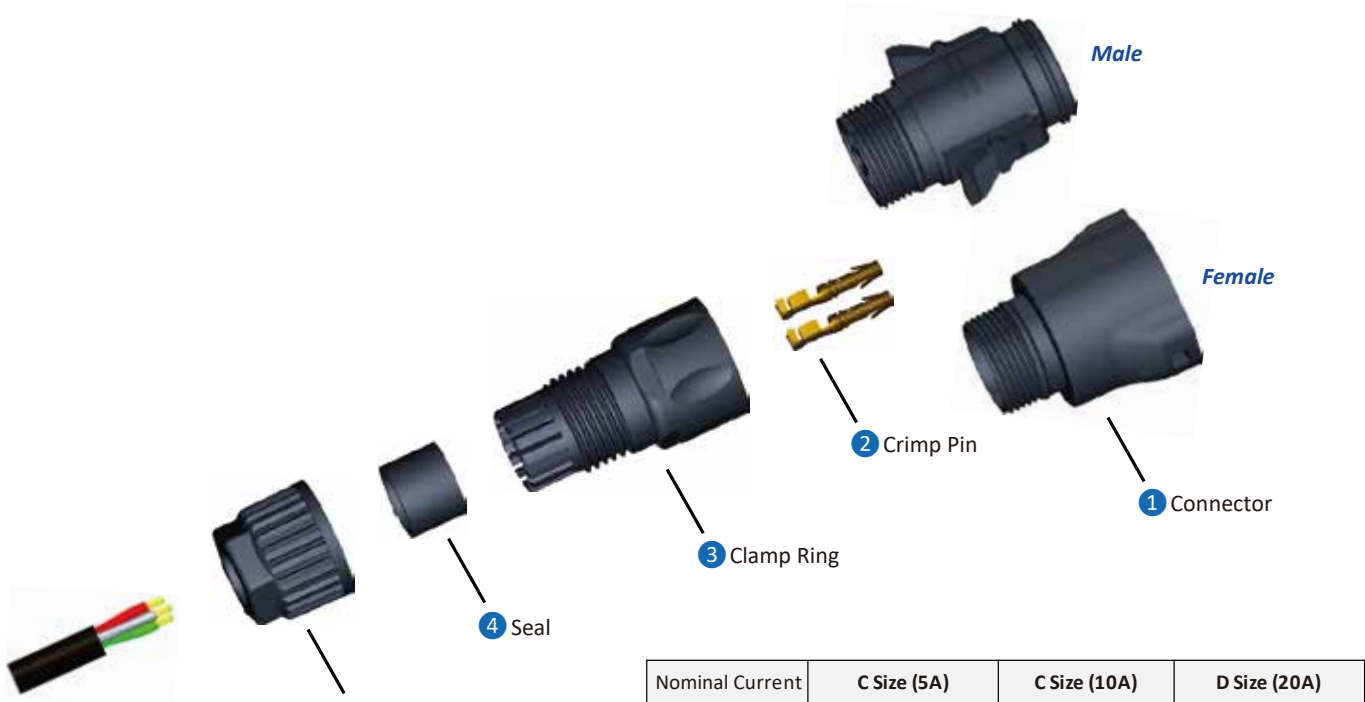


Crimp Tool



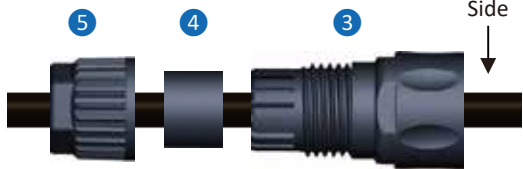
Extraction Tool

For Contact Size	Wire Range	Contact Gender	Contact	Crimp Tool	Extraction Tool
20A	14AWG ~ 12AWG (2.5mm ² ~ 4.0mm ²)	Male	SAM12C-01G03 (1,000 pcs/Reel)	CTL-121401	PET-121401
			SAM12C-02G03 (500 pcs/Bulk)		
			SAM12C-03G03 (100 pcs/Bulk)		
		Female	SAF12C-01G03 (1,000 pcs/Reel)		
			SAF12C-02G03 (500 pcs/Bulk)		
			SAF12C-03G03 (100 pcs/Bulk)		
5A	24AWG ~ 20AWG (0.25mm ² ~ 0.50mm ²)	Male	SAM20D-01G03 (3,500 pcs/Reel)	CTL-202401	PET-202401
			SAM20D-02G03 (500 pcs/Bulk)		
			SAM20D-02G03 (100 pcs/Bulk)		
		Female	SAF20D-01G03 (3,500 pcs/Reel)		
			SAF20D-02G03 (500 pcs/Bulk)		
			SAF20D-02G03 (100 pcs/Bulk)		



Nominal Current	C Size (5A)	C Size (10A)	D Size (20A)
Wire Range	24 ~ 20 AWG (0.25 ~ 0.50mm ²)	18 ~ 16 AWG (0.75 ~ 1.50mm ²)	14 ~ 12 AWG (2.50 ~ 4.00mm ²)
Cable O.D. (Unit: mm)	4.5 ~ 7.5 7.6 ~ 9.5	4.5 ~ 7.5 7.6 ~ 9.5	9.0 ~ 11.0

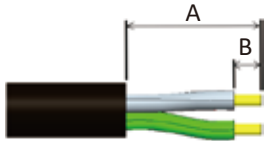
1



Wire Assembly Side

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
C Size (5A)	19.0 ~ 21.0	4.5 ~ 5.5
C Size (10A)	20.0 ~ 24.0	4.5 ~ 5.5
D Size (20A)	23.0 ~ 27.0	4.5 ~ 5.5

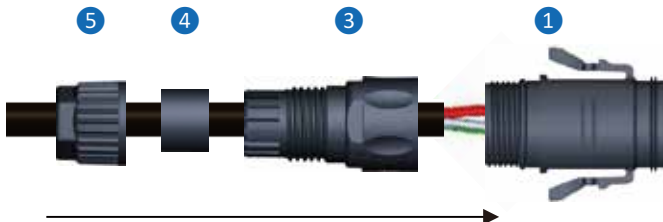
Follow suggested stripping length of outer jacket (A), insulation (B).

3



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

4



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

	3 & 5
Torque Force (Unit: kgf-cm)	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

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.

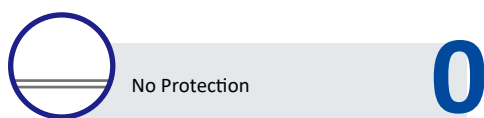
Mated Waterproof



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

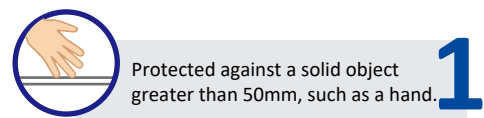
1st Digit - SOLIDS

Degree of protection against solid objects



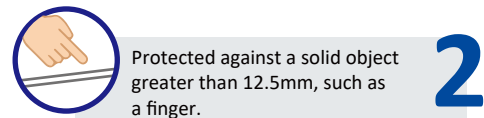
No Protection

0



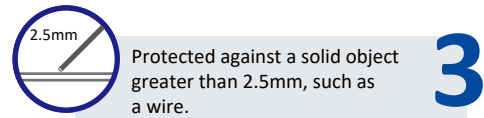
Protected against a solid object greater than 50mm, such as a hand.

1



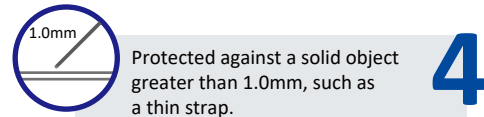
Protected against a solid object greater than 12.5mm, such as a finger.

2



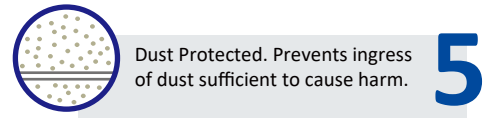
Protected against a solid object greater than 2.5mm, such as a wire.

3



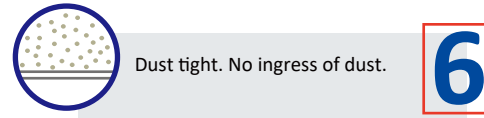
Protected against a solid object greater than 1.0mm, such as a thin strap.

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.

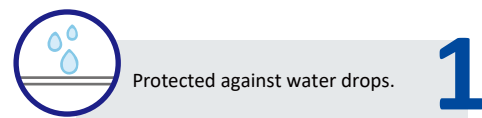
2nd Digit - LIQUIDS

Degree of protection against water



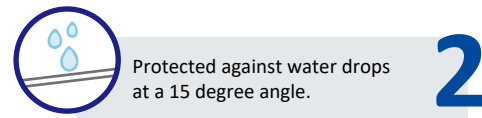
No Protection

0



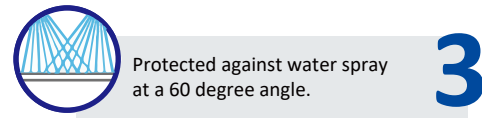
Protected against water drops.

1



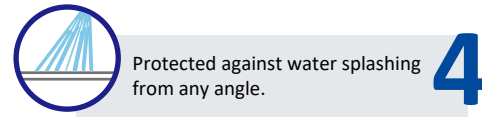
Protected against water drops at a 15 degree angle.

2



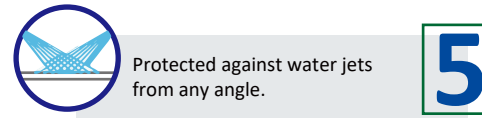
Protected against water spray at a 60 degree angle.

3



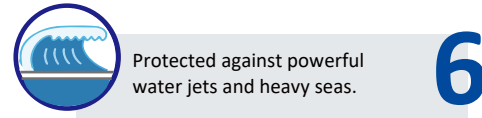
Protected against water splashing from any angle.

4



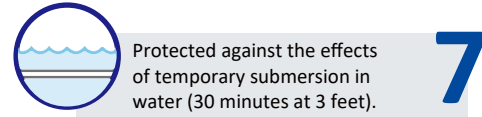
Protected against water jets from any angle.

5



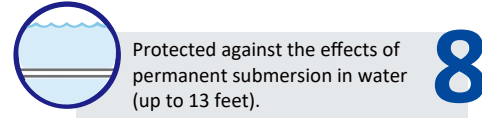
Protected against powerful water jets and heavy seas.

6



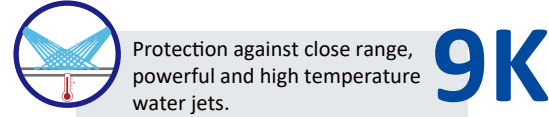
Protected against the effects of temporary submersion in water (30 minutes at 3 feet).

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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