

LP-12-Multi Core Series

Product parameter

Part NO.	LP-12-C05PE-01-001/LP-12-C05SX-01-001
Wire specification	1.0Mm ² ~1.5Mm ² /18-16AWG
Line diameter range	3mm~7mm
Diameter×number	Φ1.0×5
Rated current(A)	5A
Operation voltage(AC.V.RMS)	250V
Contact resistance	<5mΩ
Temperature rise	5A per contact at 30℃ , 7A.....40℃ , 10A.....50℃.
Withstand voltage (AC.V)1minute	2500V
Insulation resistance	> 500MΩ
Protection level	IP65/IP67
Mating cycle	≥1700次
Working temperature	-40℃~80℃
Connection mode	Quick plug connection
Wiring mode	Welding / Crimping

Material

Insulation components	High-performance engineering plastics
Hardware	Zinc alloy (Nickel Plating)
PIN	Copper alloy gold plating
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

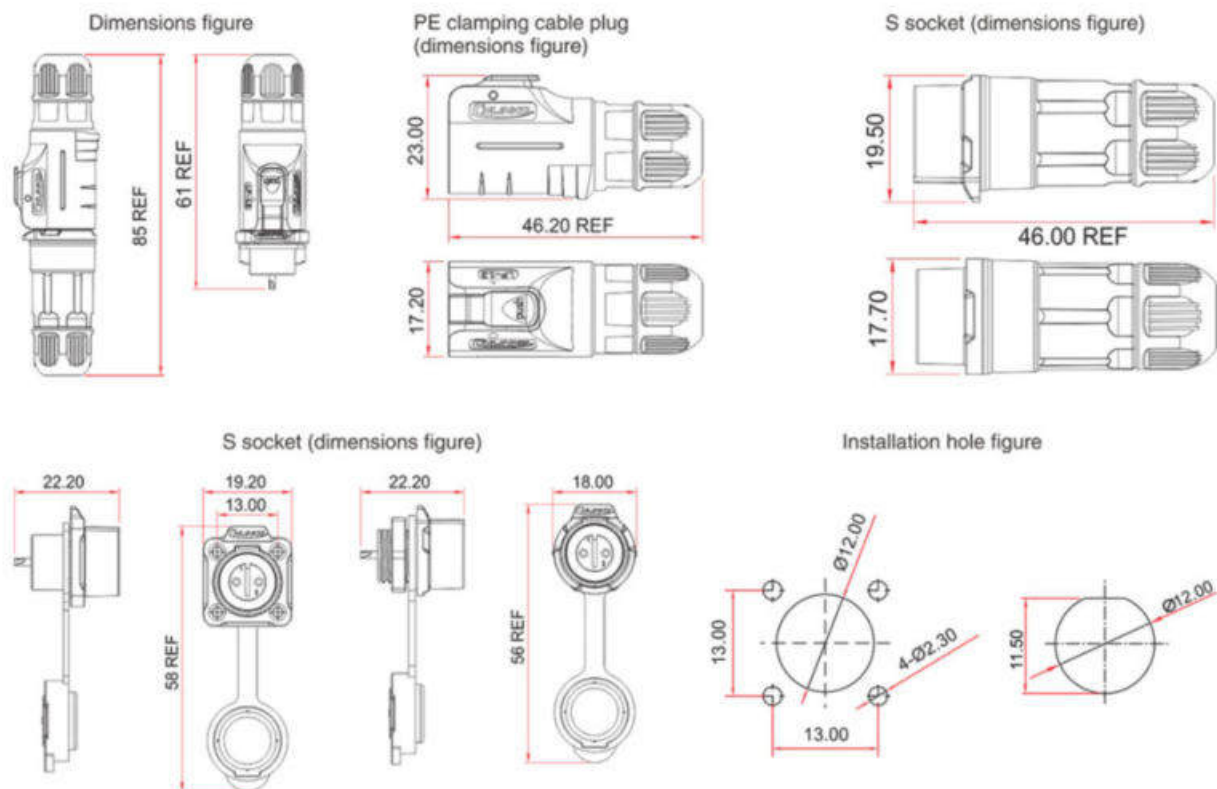
Core tables

[illegible]

Connection graph



Appearance dimension



LP-16 Plastic Shell-Multi Core Series








Product Parameter

Part NO.	LP-16-C02PE-01-001/LP-16-J02PP-01-001
Wire specification	1.0Mm ² ~1.5Mm ² /18-16AWG
Line diameter range	3mm~7mm
Diameter×number	Φ1.5×3
Rated current(A)	10A
Operation voltage(AC.V.RMS)	500V
Contact resistance	<2.5mΩ
Temperature rise	10A per contact at 30℃ , 12A.....40℃ , 15A.....50℃.
Withstand voltage (AC.V)1minute	2500V
Insulation resistance	> 500MΩ
Protection level	IP65/IP67
Mating cycle	≥1700 times
Working temperature	-40℃~80℃
Connection mode	Quick plug connection
Wiring mode	Welding / Crimping

Material

Insulation components	High-performance engineering plastics
Hardware	Zinc alloy (Nickel Plating)
PIN	Copper alloy gold plating
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

Core tables

the number of pins	2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN
The PIN map							
Rated current	5A	5A	5A	5A	5A	3A	3A
Operating voltage	125V	125V	125V	125V	125V	100V	100V
Withstanding Voltage	1500V	1500V	1500V	1500V	1500V	1000V	1000V
Contact resistance	<5.0mΩ	<5.0mΩ	<5.0mΩ	<5.0mΩ	<5.0mΩ	<10.0mΩ	<10.0mΩ
Temperature rise	5A 30℃↓ ; 7A 40℃↓ ; 10A 50℃↓						
Contact diameter x number	Φ1.0*2	Φ1.0*3	Φ1.0*4	Φ1.0*5	Φ1.0*6	Φ0.8*7	Φ0.8*8
Insertion force	0.6N Max.	0.9N Max.	1.2N Max.	1.5N Max.	1.8N Max.	2.1N Max.	2.4N Max.
Durability	1700times						
Screw torque	42-53(N.m) torque wrench200(N.m)						
Working temperature	-40℃ ~ +80℃						
Vibration	Frequency: 5~200Hz, amplitude: 5mm, speed: 10m/s,0.10us without instantaneous break						
Impact resistance	294m/s ²						
Salt fog	PH6.5-7.2,NaCl,5% -48H						
Cable specification	UL2464	UL2464	UL2464	UL2464	UL2464	UL2464	UL2464
	24AWG*2C	24AWG*3C	24AWG*4C	24AWG*5C	24AWG*6C	24AWG*7C	24AWG*8C
Diameter range	Applicable scope of OD (1 - Φ Φ 6) mm with waterproof circle (Φ 6 mm, 3 mm Φ)						
Protection level	IP67						
Certification standards	Comply with the TUV and UL certification standards						

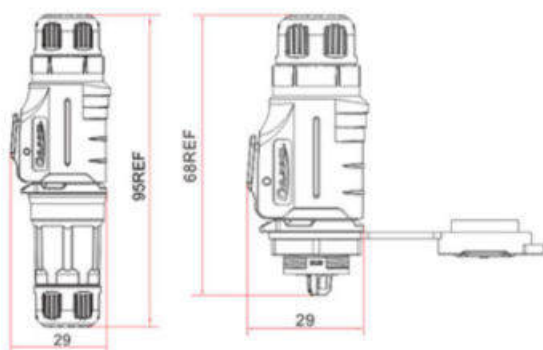


Connection graph

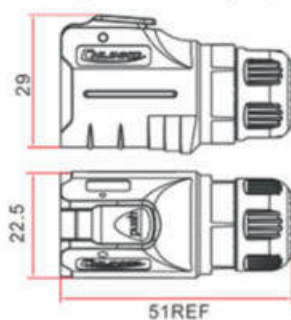


Appearance dimension

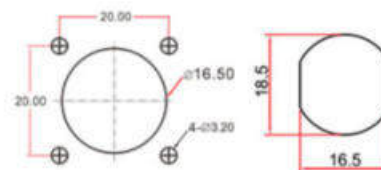
Dimensions figure



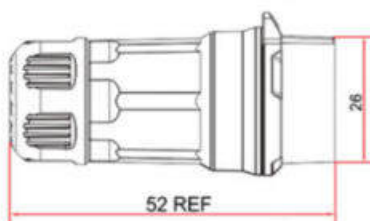
PE clamping cable plug
(dimensions figure)



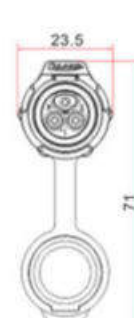
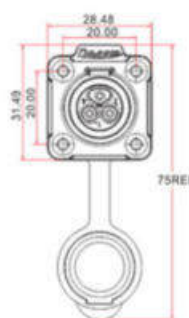
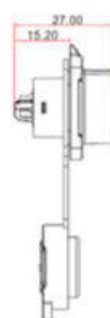
Installation hole figure



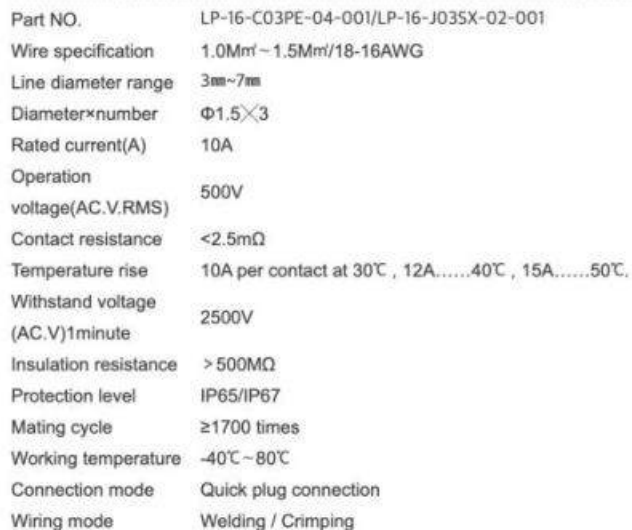
S socket (dimensions figure)



S socket (dimensions figure)



Product Parameter



Insulation components	Zinc alloy
Hardware	Zinc alloy (Nickel Plating)
PIN	Copper alloy gold plating
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

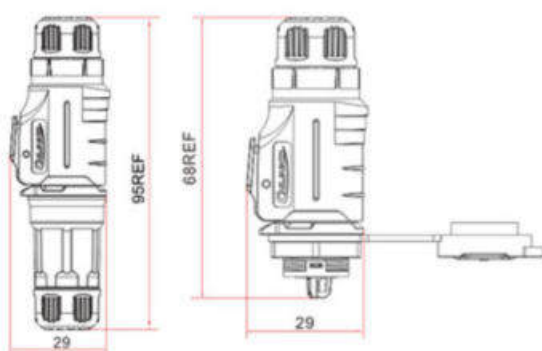
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Connection graph

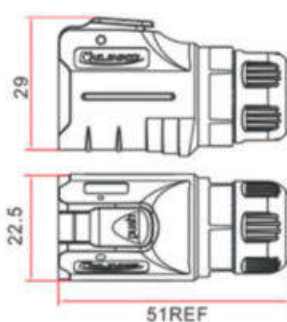


Appearance dimension

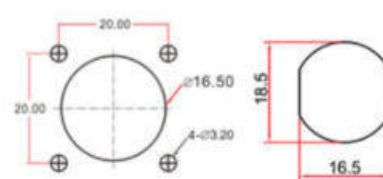
Dimensions figure



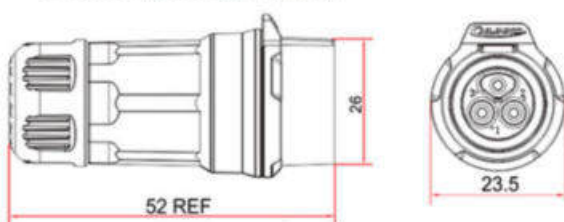
PE clamping cable plug (dimensions figure)



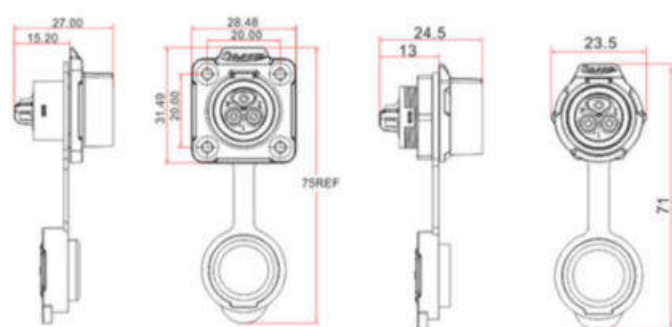
Installation hole figure



S socket (dimensions figure)



S socket (dimensions figure)



LP-20-Multi Core Series



Product Parameter

Part NO.	LP-20-C04PE-01-001/LP-20-J04SX-01-001
Wire specification	2.5Mm ² ~ 5Mm ² /14-12AWG
Line diameter range	8mm~12mm
Diameter×number	Φ2.7×4
Rated current(A)	20A
Operation voltage(AC.V.RMS)	500V
Contact resistance	<1mΩ
Temperature rise	20A per contact at 30℃ , 25A.....40℃ , 30A.....50℃.
Withstand voltage (AC.V)1minute	2500V
Insulation resistance	> 500MΩ
Protection level	IP65/IP67
Mating cycle	≥500 times
Working temperature	-40℃ ~ 80℃
Connection mode	Quick plug connection
Wiring mode	Welding / Crimping

Material

Insulation components	High-performance engineering plastics
Hardware	Zinc alloy (Nickel Plating)
PIN	Copper alloy gold plated
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

Core tables

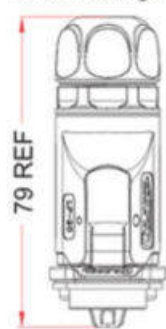
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Connection graph

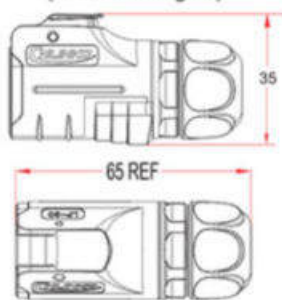


Appearance dimension

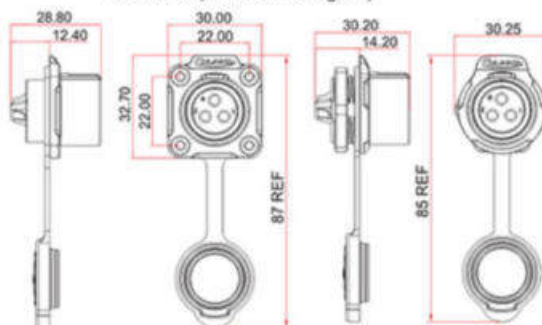
Dimensions figure



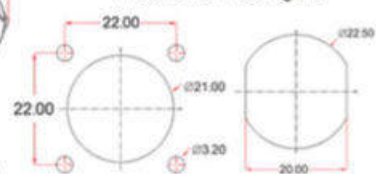
PE clamping cable plug (dimensions figure)



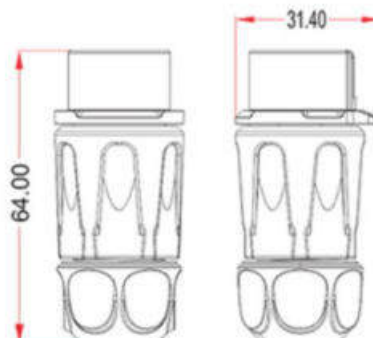
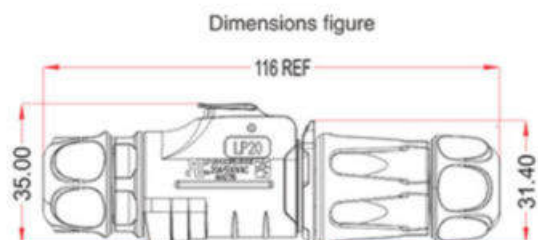
S socket (dimensions figure)



Installation hole figure



S socket (dimensions figure)



LP-24-Multi Core Series








Product Parameter

Part NO.	LP-24-C03PE-01-001/LP-24-J03SX-01-001
Wire specification	2.5Mm ² ~ 5Mm ² /14-12AWG
Line diameter range	8mm~12mm
Diameter×number	Φ3.0×3
Rated current(A)	30A
Contact resistance	<1mΩ
Temperature rise	30A per contact at 30℃ , 35A.....40℃ , 40A.....50℃.
Withstand voltage (AC.V)1minute	2500V
Insulation resistance	> 500MΩ
Protection level	IP65/IP67
Mating cycle	≥500 times
Working temperature	-40℃ ~ 80℃
Connection mode	Quick plug connection
Wiring mode	Welding / Crimping

Material

Insulation components	High-performance engineering plastics
Hardware	Zinc alloy (Nickel Plating)
PIN	Copper alloy gold plating
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

Core tables

the number of pins	2PIN	3PIN	4PIN	5PIN	7PIN	9PIN	12PIN
The PIN map							
Rated current	20A	20A	20A	12A	12A	5A	5A
Operating voltage	500V	500V	500V	500V	500V	400V	400V
Withstanding Voltage	2500V	2500V	2500V	2500V	2500V	1500V	1500V
Contact resistance	<1.0mΩ	<1.0mΩ	<1.0mΩ	<2.5mΩ	<2.5mΩ	<5.0mΩ	<5.0mΩ
Temperature rise	20A 30℃↓ ; 25A 40℃↓ ; 30A 50℃↓						
Contact diameter x number	Φ2.7*2	Φ2.7*3	Φ2.7*4	Φ1.8*5	Φ1.8*7	Φ1.0*9	Φ1.0*12
Insertion force	0.9N Max.	0.9N Max.	0.9N Max.	1.2N Max.	1.2N Max.	1.2N Max.	1.2N Max.
Durability	1700times						
Screw torque	42-53(N.m) torque wrench200(N.m)						
Working temperature	-40℃ ~ +80℃						
Vibration	Frequency: 5~200Hz, amplitude: 5mm, speed: 10m/s,0.10us without instantaneous break						
Impact resistance	294m/s2						
Salt fog	PH6.5-7.2,NaCl,5% 48H						
Cable specification	UL2464 24AWG*2C	UL2464 24AWG*3C	UL2464 24AWG*4C	UL2464 24AWG*5C	UL2464 24AWG*6C	UL2464 24AWG*7C	UL2464 24AWG*8C
Diameter range	Applicable scope of OD (1 - Φ Φ) 8.5 mm with waterproof coil (9 mm, 5 mm Φ Φ)						
Protection level	IP67						
Certification standards	Comply with the TUV and UL certification standards						



Connection graph

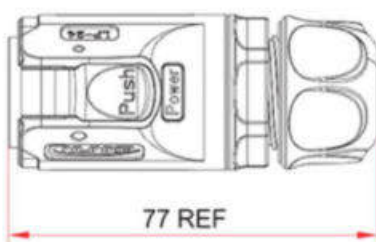


Appearance dimension

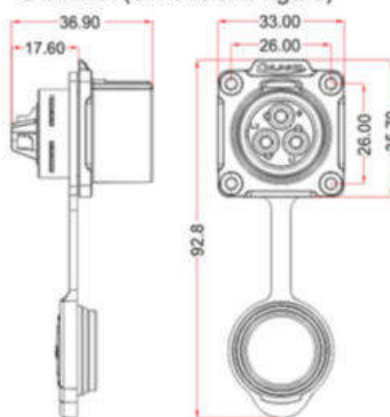
Dimensions figure



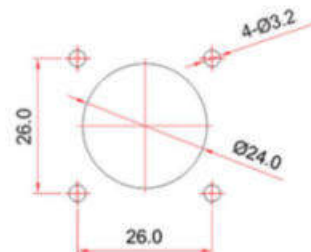
PE clamping cable plug (dimensions figure)



S socket (dimensions figure)



Installation hole figure



DH-20-Multi Core Series



Product parameter

Wire specification	2.5mm ² ~ 4mm ² /14 ~ 12 AWG
Line diameter range	Φ5.5mm ~ Φ7mm
Diameter×number	Φ1.0×9
Rated current(A)	5A
Operation voltage(AC.V.RMS)	400V
Contact resistance	<5mΩ
Temperature rise	/
Withstand voltage (AC.V)1minute	1500V
Insulation resistance	>500MΩ
Protection level	IP65/IP67
The number of durable	≥500times
Working temperature	-40℃ ~ 80℃
Connection mode	Quick bayonet connection
Wiring mode	Welding / Crimping

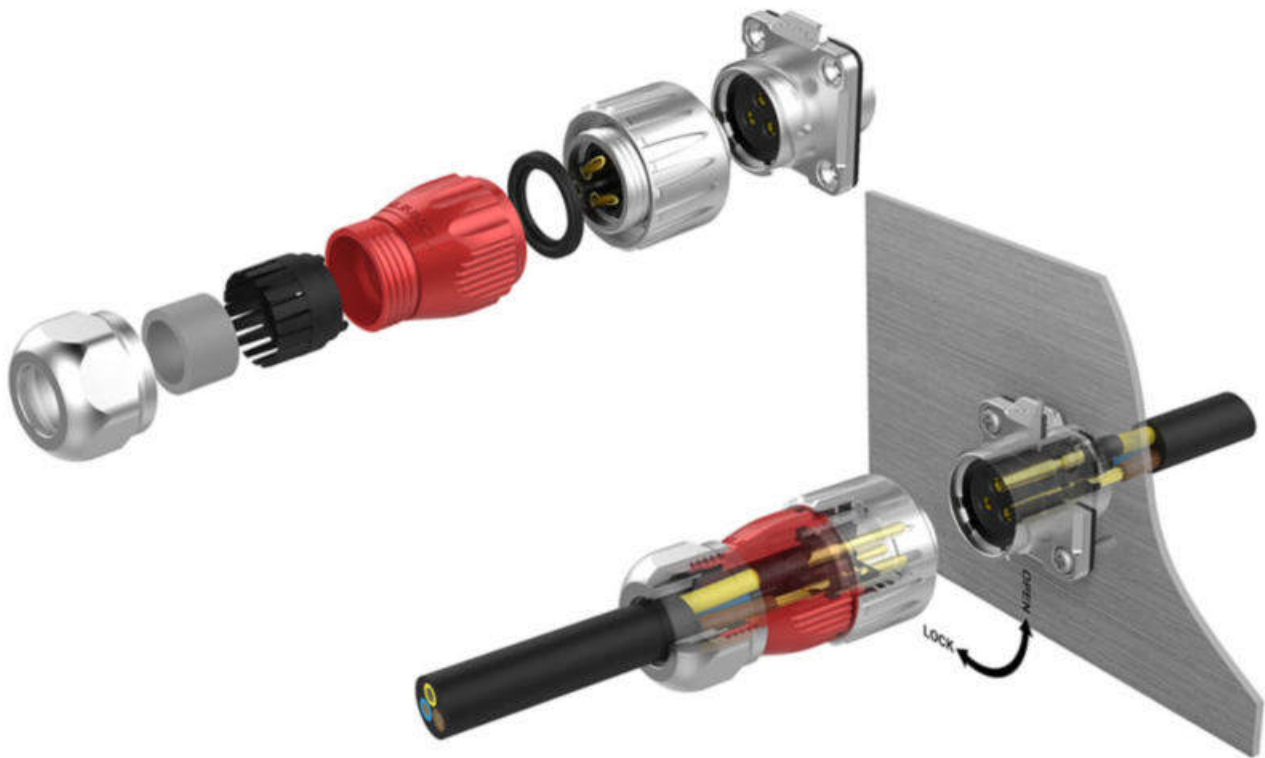
Material

Insulation components	High-performance engineering plastics
Hardware	Aluminum alloy
PIN	Copper alloy gold plating
Waterproof circle	Silicone
Flame retardant grade	UL94-V0

Core tables

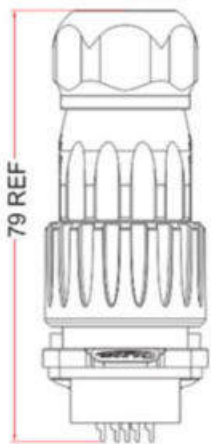
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Connection graph

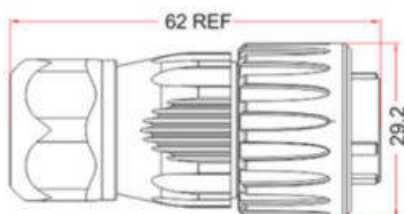


Appearance dimension

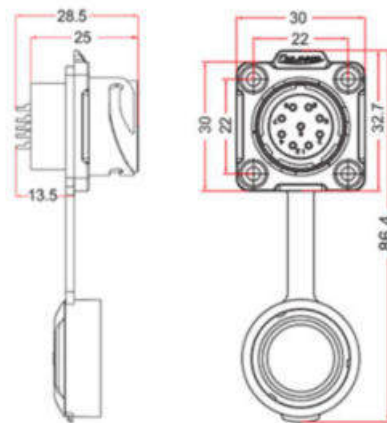
Dimensions figure



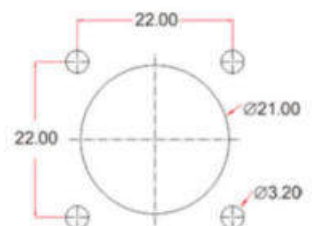
PE clamping cable plug (dimensions figure)



S socket (dimensions figure)



Installation hole figure



DH-24-Multi Core Series







Product parameter

Part NO.	DH-24-C03PE-01-001
Wire specification	2.5mm ² ~ 5mm ² /14 ~ 12 AWG
Line diameter range	8mm ~ 12mm
Diameter×number	3.0×3
Rated current(A)	30A
Operation voltage(AC.V.RMS)	500V
Contact resistance	<1mΩ
Temperature rise	30A per contact at 30℃ , 25A.....40℃↓ , 30A.....50℃↓
Withstand voltage (AC.V)1minute	2500V
Insulation resistance	>500MΩ
Protection level	IP65/IP67
Mating cycle	≥500times
Working temperature	-40℃ ~ 80℃
Connection mode	Quick bayonet connection
Wiring mode	Welding / Crimping

Material

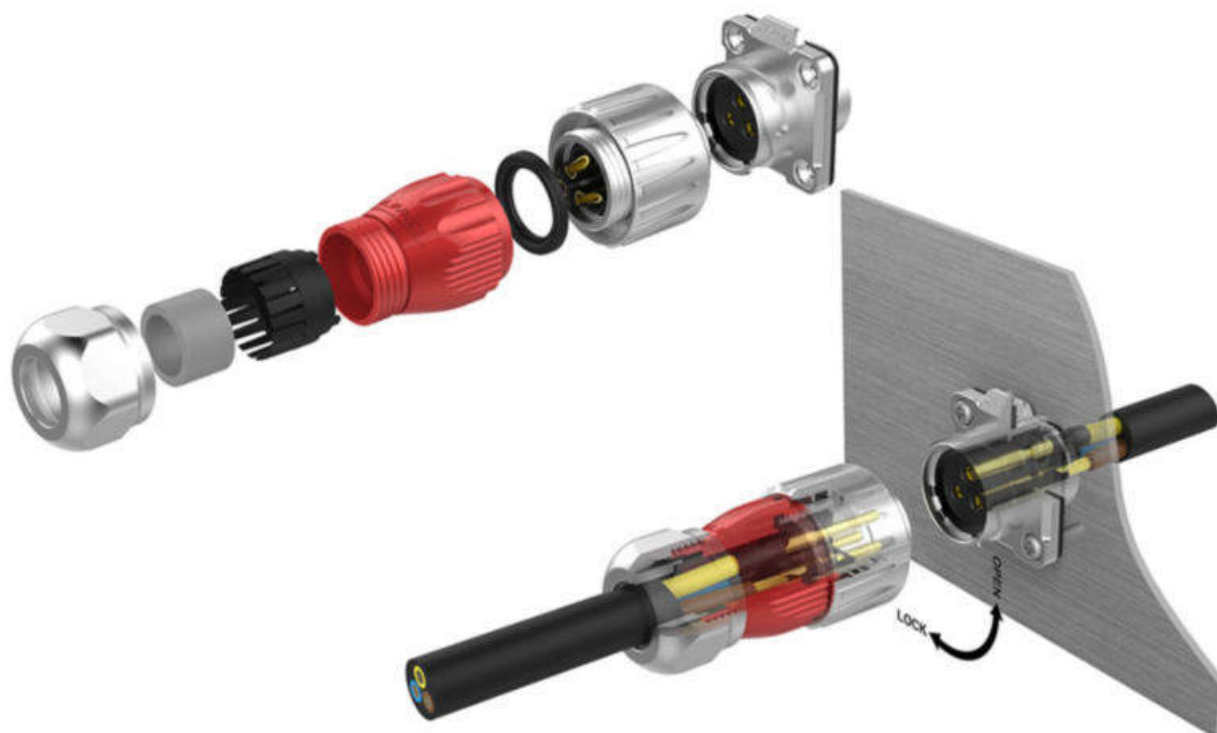
Insulation components	High-performance engineering plastics
Hardware	Zinc alloy (Nickel Plating)
PIN	Copper alloy gold plating
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

Core tables

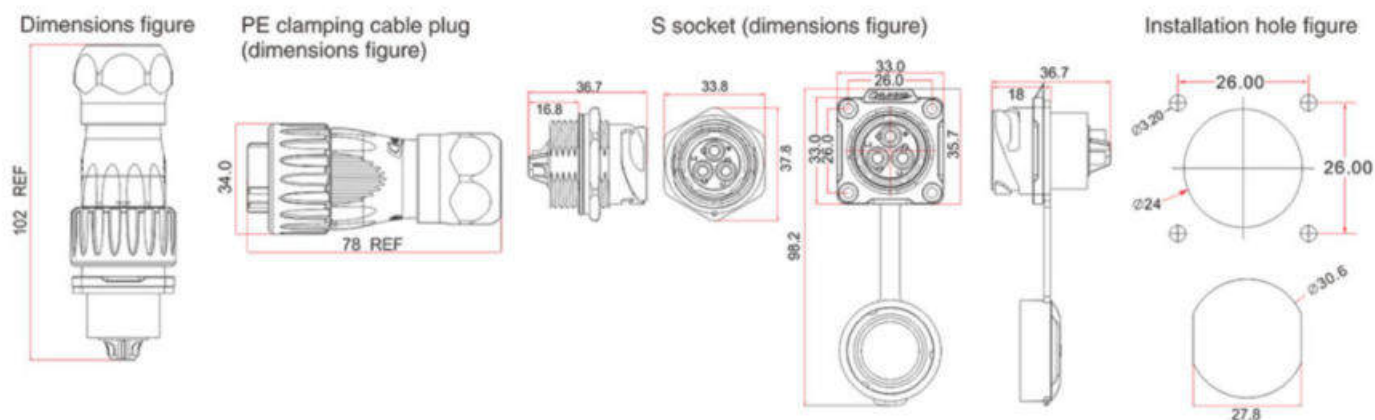
the number of pins	2PIN	3PIN	4PIN	5PIN	7PIN	9PIN	12PIN
The PIN map							
Rated current	20A	20A	20A	12A	12A	5A	5A
Operating voltage	500V	500V	500V	500V	500V	400V	400V
Withstanding Voltage	2500V	2500V	2500V	2500V	2500V	1500V	1500V
Contact resistance	<1.0mΩ	<1.0mΩ	<1.0mΩ	<2.5mΩ	<2.5mΩ	<5.0mΩ	<5.0mΩ
Temperature rise	20A 30℃↓ ; 25A 40℃↓ ; 30A 50℃↓						
Contact diameter x number	Φ2.7*2	Φ2.7*3	Φ2.7*4	Φ1.8*5	Φ1.8*7	Φ1.0*9	Φ1.0*12
Insertion force	0.9N Max.	0.9N Max.	0.9N Max.	1.2N Max.	1.2N Max.	1.2N Max.	1.2N Max.
Durability	1700times						
Screw torque	42-53(N.m) torque wrench200(N.m)						
Working temperature	-40℃ ~ +80℃						
Vibration	Frequency: 5~200Hz, amplitude: 5mm, speed: 10m/s,0.10us without instantaneous break						
Impact resistance	294m/s ²						
Salt fog	PH6.5-7.2,NaCl,5% 48H						
Cable specification	UL2464	UL2464	UL2464	UL2464	UL2464	UL2464	UL2464
	24AWG*2C	24AWG*3C	24AWG*4C	24AWG*5C	24AWG*6C	24AWG*7C	24AWG*8C
Diameter range	Applicable scope of OD (1 - Φ Φ) 8.5 mm with waterproof coil (9 mm, 5 mm Φ Φ)						
Protection level	IP67						
Certification standards	Comply with the TUV and UL certification standards						



Connection graph



Appearance dimension



YM-20-Multi Core Series



Product parameter

Part NO.	YM-20-C03PE-01-001
Wire specification	2.5mm ² ~ 4mm ² /14 ~ 12 AWG
Line diameter range	Φ8mm ~ Φ12mm
Diameter×number	Φ2.7×2
Rated current(A)	20A
Operation voltage(AC.V.RMS)	500V
Contact resistance	<1mΩ
Temperature rise	20A per contact at 30℃, 25A.....40℃, 30A.....50℃.
Withstand voltage (AC.V)1minute	2500V
Insulation resistance	> 500MΩ
Protection level	IP65/IP67
Mating cycle	≥500times
Working temperature	-40℃ ~ 80℃
Connection mode	Threaded connection
Wiring mode	Welding / Crimping

Material

Insulation components	High-performance engineering plastics
Hardware	Zinc alloy (Nickel Plating)
PIN	Copper alloy gold plating
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

Core tables

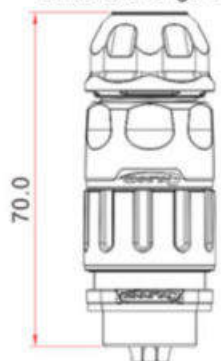
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Connection graph

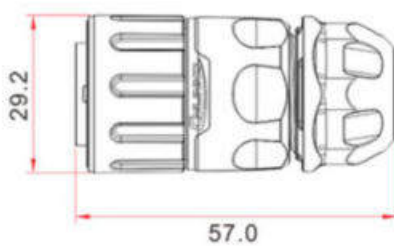


Appearance dimension

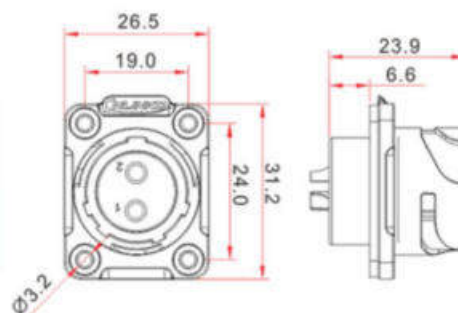
Dimensions figure



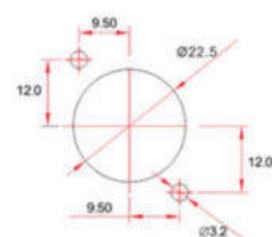
PE clamping cable plug
(dimensions figure)



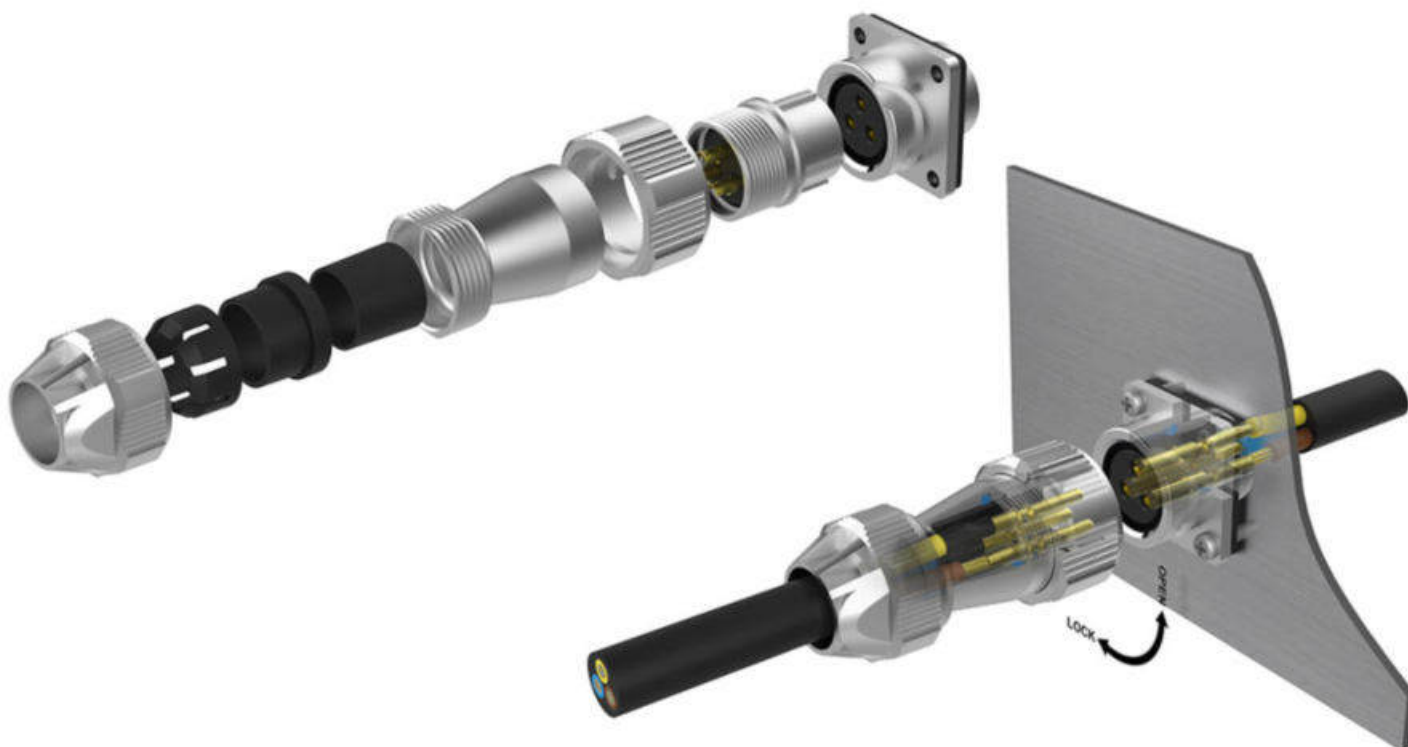
S socket (dimensions figure)



Installation hole figure

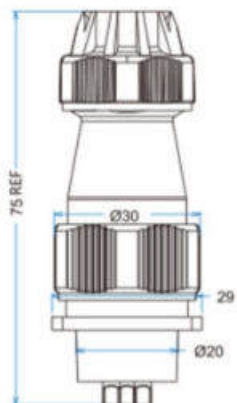


Connection graph

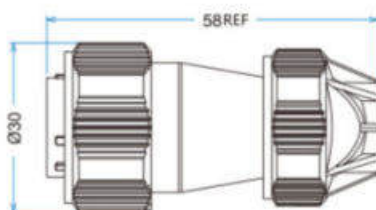


Appearance dimension

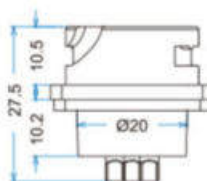
Dimensions figure



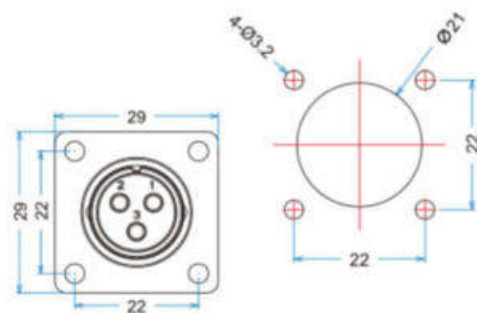
PE clamping cable plug
(dimensions figure)



S socket (dimensions figure)



Installation hole figure



YA-20-Multi Core Series

Product parameter



Part NO.	YA-20-C03PE-01-001
Wire specification	2.5mm ² ~4mm ² /14~12 AWG
Line diameter range	Φ8mm~Φ12mm
Diameter×number	Φ2.7×2
Rated current(A)	20A
Operation voltage(AC.V.RMS)	500V
Contact resistance	<1mΩ
Temperature rise	20A per contact at 30℃, 25A.....40℃, 30A.....50℃.
Withstand voltage (AC.V)1minute	2500V
Insulation resistance	>500MΩ
Protection level	IP65/IP67
Mating cycle	≥500times
Working temperature	-40℃~80℃
Connection mode	Threaded connection
Wiring mode	Welding / Crimping

Material

Insulation components	High-performance engineering plastics
Hardware	Zinc alloy (Nickel Plating)
PIN	Copper alloy gold plating
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

Core tables

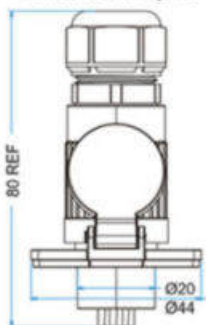
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Connection graph

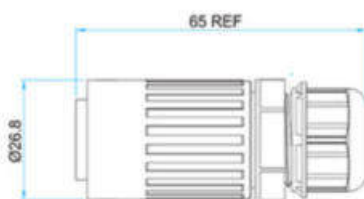


Appearance dimension

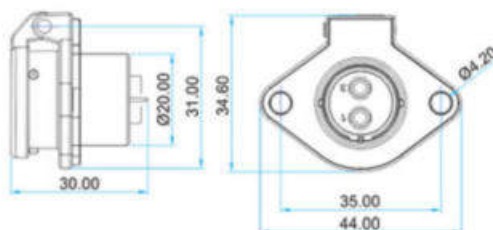
Dimensions figure



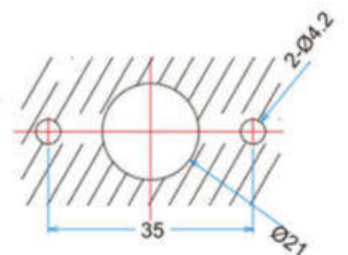
PE clamping cable plug (dimensions figure)



S socket (dimensions figure)



Installation hole figure



YW-16-Multi Core Series



Product parameter

Threaded connection	
Part NO.	YW-16-C03PE-02-001
Wire specification	1.0mm ² ~ 1.5mm ² /14 ~ 12 AWG
Line diameter range	Φ3mm ~ Φ7mm
Diameter×number	Φ1.5×3
Rated current(A)	10A
Operation voltage(AC.V.RMS)	500V
Contact resistance	<2.5mΩ
Temperature rise	10A per contact at 30℃, 12A.....40℃, 15A.....50℃.
Withstand voltage (AC.V)1minute	2500V
Insulation resistance	> 500MΩ
Protection level	IP65/IP67
Mating cycle	≥500times
Working temperature	-40℃ ~ 80℃
Connection mode	Threaded connection
Wiring mode	Welding / Crimping

Material

Insulation components	High-performance engineering plastics
Hardware	Zinc alloy (Nickel Plating)
PIN	Copper alloy gold plating
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

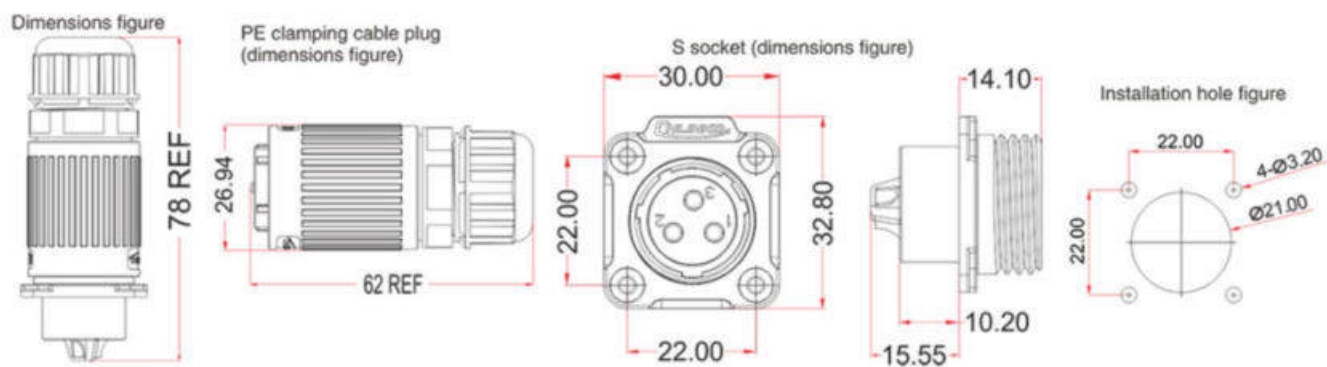
Core tables

[illegible]

Connection graph



Appearance dimension



YW-20-Multi Core Series



Product parameter

Part NO.	YW-20-C03PE-01-001
Wire specification	2.5mm ² ~ 4mm ² /14 ~ 12 AWG
Line diameter range	Φ8mm ~ Φ12mm
Diameter×number	Φ2.7×2
Rated current(A)	20A
Operation voltage(AC.V.RMS)	500V
Contact resistance	<1mΩ
Temperature rise	20A per contact at 30℃, 25A.....40℃, 30A.....50℃.
Withstand voltage (AC.V)1minute	2500V
Insulation resistance	>500MΩ
Protection level	IP65/IP67
Mating cycle	≥500times
Working temperature	-40℃ ~ 80℃
Connection mode	Threaded connection
Wiring mode	Welding / Crimping

Material

Insulation components	High-performance engineering plastics
Hardware	Zinc alloy (Nickel Plating)
PIN	Copper alloy gold plating
Waterproof circle	Silica gel
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Core tables

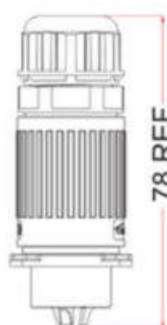
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Connection graph

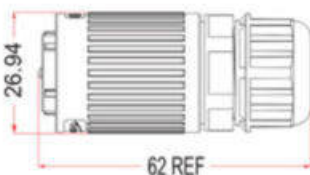


Appearance dimension

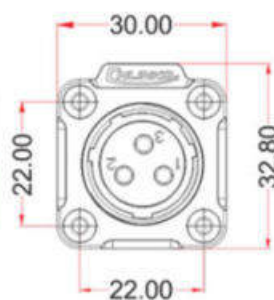
Dimensions figure



PE clamping cable plug (dimensions figure)



S socket (dimensions figure)



Installation hole figure

