LP-12-Multi Core Series



Product parameter

Part NO. LP-12-C05PE-01-001/LP-12-C05SX-01-001

Wire specification 1.0Mm'-1.5Mm'/18-16AWG

Line diameter range 3ms~7mm
Diameter×number Φ1.0×5
Rated current(A) 5A

Operation

250V

voltage(AC.V.RMS)

Contact resistance <5mΩ

Temperature rise 5A per contact at 30℃, 7A.....40℃, 10A.....50℃,

Withstand voltage

2500V

(AC.V)1minute

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

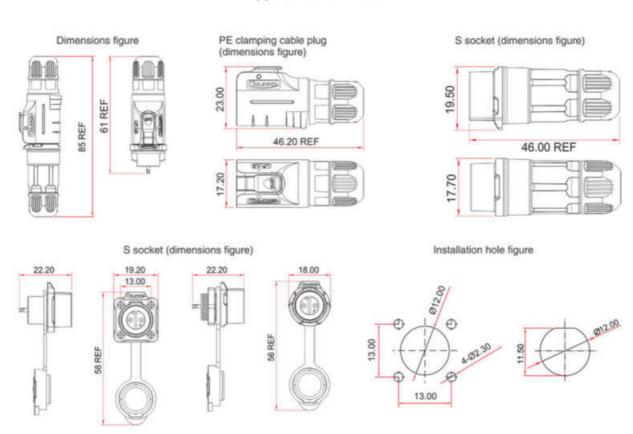
Insulation components High-performance engineering plastics

Hardware Zinc alloy (Nickel Plating)
PIN Copper alloy | gold plating

Waterproof circle Silica gel Flame retardant grade UL94-V0

the number of pins	2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN		
The PIN map	\odot	\odot	::	::	:	:::	:		
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°C1	;7A 40°C1 ;	10A 50℃↓						
Contact diameter x number	Ф1.0*2	Φ1.0*3	Ф1.0*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 wren	ch200(N.m)						
Working temperature	-40°C ~ +80)°C							
Vibration	Frequency:	5~200Hz, amp	litude: 5mm, s	peed: 10m/s,0	.10us without	instantaneous	break		
Impact resistance	294m/s2								
Salt fog	PH6.5-7.2,N	laCI,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	- Ф Ф 6) mm	with waterpro	of circle (Φ 6 i	nm, 3 mm Φ)			
Protection level	IP67								
Certification standards	Comply wit	h the TUV and	UL certification	n standards					





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 ~ 1.5Mm/18-16AWG

Line diameter range 3mm~7mm Diameter×number Φ1.5×3 Rated current(A) 10A Operation

500V

voltage(AC.V.RMS)

<2.5mΩ Contact resistance

Temperature rise 10A per contact at 30°C , 12A......40°C , 15A......50°C.

Withstand voltage (AC.V)1minute

2500V

Insulation resistance > 500MΩ IP65/IP67 Protection level ≥1700 times Mating cycle Working temperature -40℃-80℃

Connection mode Quick plug connection Welding / Crimping Wiring mode

Material

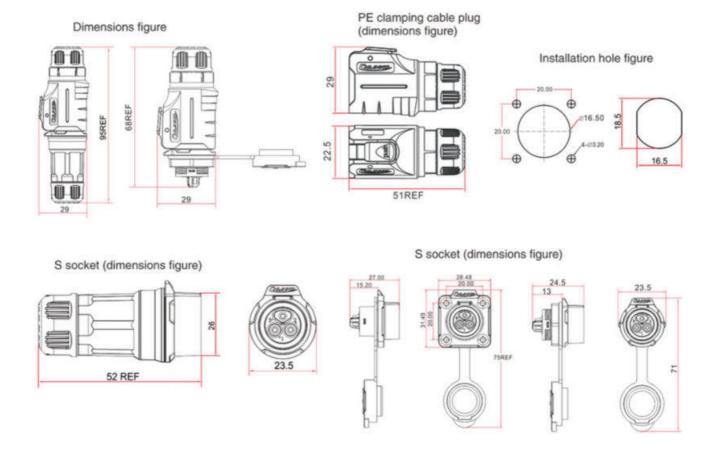
Insulation components High-performance engineering plastics

Hardware Zinc alloy (Nickel Plating) PIN Copper alloy | gold plating

Waterproof circle Silica gel Flame retardant grade UL94-V0

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°C1	;7A 40°C1;	10A 50°C1								
Contact diameter x number	Φ1.0*2	Φ1.0*3	Ф1.0*4	Ф1.0*5	Ф1.0*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 wren	ch200(N.m)								
Working temperature	-40°C ~ +80	o*C									
Vibration	Frequency:	5-200Hz, amp	litude: 5mm, s	peed: 10m/s,0	.10us without	instantaneous	break				
Impact resistance	294m/s2										
Salt fog	PH6.5-7.2,N	laCI,5% 48H									
Cable specification	UL2464 24AWG*2C										
Diameter range	Applicable	Applicable scope of OD (1 - Φ Φ 6) mm with waterproof circle (Φ 6 mm, 3 mm Φ)									
Protection level	IP67	IP67									
Certification standards	Comply wit	h the TUV and	UL certificatio	on standards							





LP-16 Metal Shell-Multi Core Series



Product Parameter

Part NO. LP-16-C03PE-04-001/LP-16-J035X-02-001

Wire specification 1.0Mm'-1.5Mm'/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°C~80°C

Connection mode Quick plug connection
Wiring mode Welding / Crimping

Material

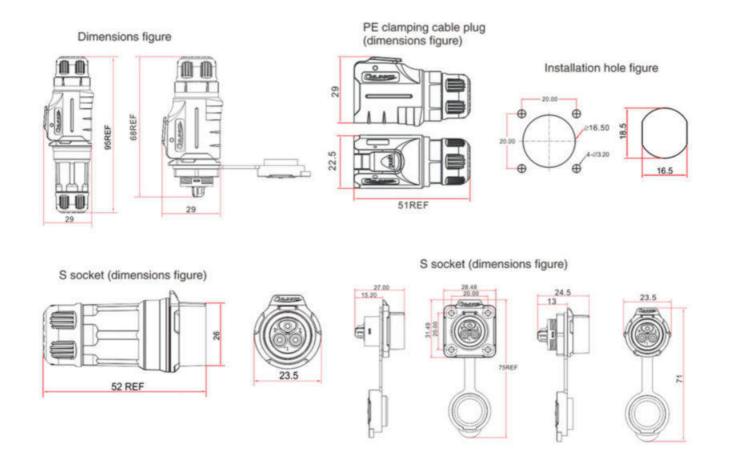
Insulation components Zinc alloy

Hardware Zinc alloy (Nickel Plating)
PIN Copper alloy | gold plating

Waterproof circle Silica gel Flame retardant grade UL94-V0

the number of pins	2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN			
The PIN map	\odot	••	::	:	:	:::				
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℃1	;7A 40°C1;	10A 50℃↓							
Contact diameter x number	Φ1.0*2	Ф1.0*3	Φ1.0*4	Ф1.0*5	Φ1.0*6	Ф0.8*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 wren	ch200(N.m)							
Working temperature	-40°C ~ +80)°C								
Vibration	Frequency:	5~200Hz, amp	litude: 5mm, s	peed: 10m/s,0	.10us without	instantaneous	break			
Impact resistance	294m/s2									
Salt fog	PH6.5-7.2,N	IaCI,5% 48H								
Cable specification	UL2464	UL2464	UL2464	UL2464	UL2464	UL2464	UL2464			
cable specification	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	IP67								
Certification standards	Comply wit	h the TUV and	UL certificatio	n standards						





LP-20-Multi Core Series



Product Parameter

Part NO. LP-20-C04PE-01-001/LP-20-J045X-01-001

Wire specification 2,5Mm'~5Mm/14-12AWG

Line diameter range 8mm-12mm
Diameter×number 02.7×4
Rated current(A) 20A
Operation 500V

voltage(AC.V.RMS)

Contact resistance <1mΩ

Temperature rise 20A per contact at 30°C , 25A......40°C , 30A......50°C.

 Withstand voltage
 2500V

 (AC.V)1minute
 ≥500MΩ

 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

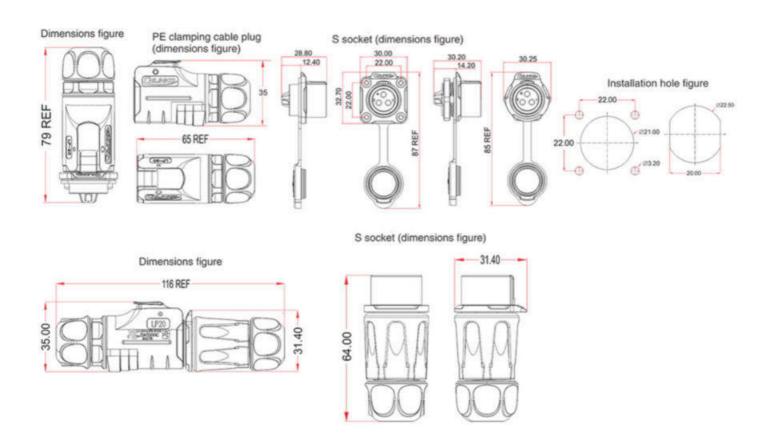
Hardware Zinc alloy (Nickel Plating)
PIN Copper alloy | gold plated

Waterproof circle Silica gel
UL94-V0

Flame retardant grade

the number of pins	2PIN	3PIN	4PIN	SPIN	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℃1	; 25A 40°C1 ;	30A 50°C1							
Contact diameter x number	Φ2.7*2	Φ2.7*3	Φ2.7*4	Ф1.8*5	Φ1.8*7	Ф1.0*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 wrenc	h200(N.m)							
Working temperature	-40°C ~ +80	°C								
Vibration	Frequency:	5~200Hz, ampl	itude: 5mm, sp	peed: 10m/s,0.	10us without i	nstantaneous b	oreak			
Impact resistance	294m/s2									
Salt fog	PH6.5-7.2,N	aCI,5% 48H								
Cable encelfication	UL2464	UL2464	UL2464	UL2464	UL2464	UL2464	UL2464			
Cable specification	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	IP67								
Certification standards	Comply with	the TUV and	UL certification	n standards						





LP-24-Multi Core Series



Product Parameter

Part NO. LP-24-C03PE-01-001/LP-24-J035X-01-001

Wire specification 2.5Mm ~ 5Mm/14-12AWG

 $\begin{array}{lll} \mbox{Line diameter range} & 8m \sim 12m \\ \mbox{Diameter} \times \mbox{number} & 03.0 \times 3 \\ \mbox{Rated current(A)} & 30A \\ \mbox{Contact resistance} & <1m \Omega \\ \end{array}$

Temperature rise 30A per contact at 30℃ , 35A.....40℃ , 40A.....50℃.

Withstand voltage
(AC.V)1minute
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

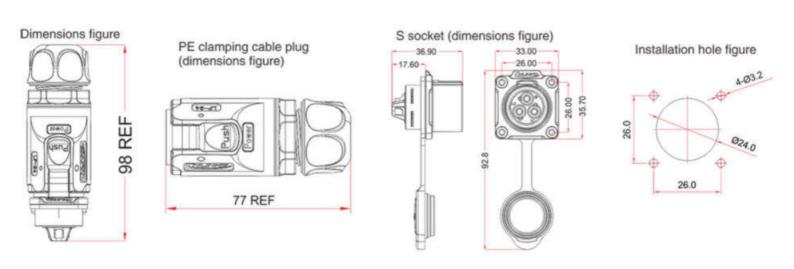
Insulation components High-performance engineering plastics

Hardware Zinc alloy (Nickel Plating)
PIN Copper alloy | gold plating

Waterproof circle Silica gel Flame retardant grade UL94-V0

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°C1;	30A 50°C↓						
Contact diameter x number	Ф2.7*2	Φ2.7*3	Φ2.7*4	Ф1.8*5	Φ1.8*7	Ф1.0*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 wrenc	h200(N.m)						
Working temperature	-40°C ~ +80	°C							
Vibration	Frequency: 5	5~200Hz, ampl	itude: 5mm, sp	peed: 10m/s,0.	10us without i	nstantaneous l	break		
Impact resistance	294m/s2								
Salt fog	PH6.5-7.2,N	aCI,5% 48H							
Cable specification	UL2464	UL2464	UL2464	UL2464	UL2464	UL2464	UL2464		
cause specification	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	n standards					





DH-20-Multi Core Series



Product parameter

Wire specification 2.5mm ~4mm/14~12 AWG

Line diameter range Φ5.5mm - Φ7mm

Φ1.0×9 Diameter×number Rated current(A) 5A

Operation

voltage(AC, V.RMS)

400V

<5mΩ Contact resistance Temperature rise 1

Withstand voltage

1500V

(AC.V)1minute 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

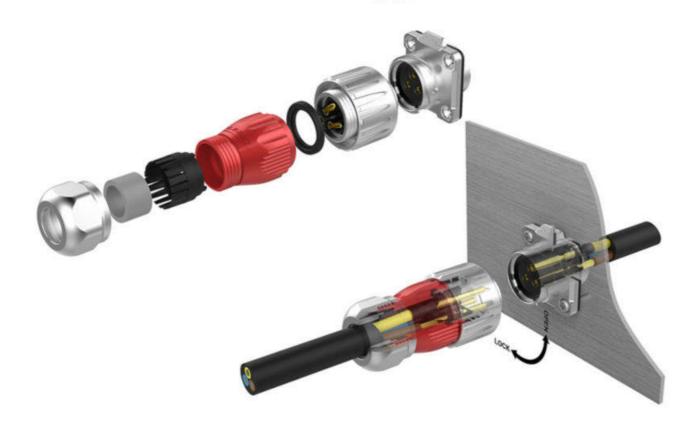
Insulation components High-performance engineering plastics

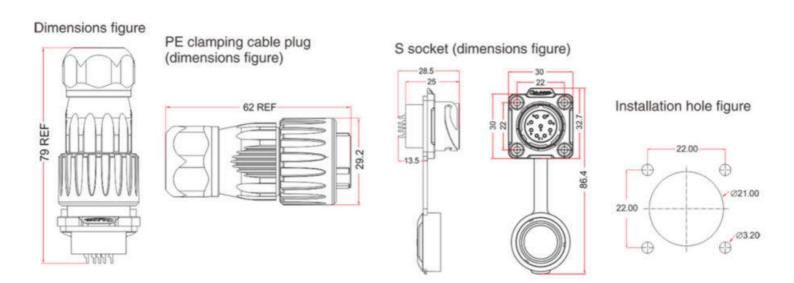
Hardware Aluminum alloy

PIN Copper alloy | gold plating

Waterproof circle Silicone Flame retardant grade UL94-V0

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°C	1 ; 25A 40°C1	; 30A 50°C1	12A 30°C1 ; 15A 4	10°C1 ; 20A 50°C1	5A 30°C1 ; 7A 40	0°C1 ; 10A 50°C1			
Contact diameter x number	Φ2.7*2	Ф2.7*3	Φ2.7*4	Ф1.8*5	Ф1.8*7	Ф1.0*9	Ф1.0*12			
Insertion force	3.0N Max.	4.5N Max.	6.0N Max.	4.0N Max.	5.5N Max.	3.0N Max.	4.0N Max.			
Durability	1700times									
Screw torque	42-53(N.m)	torque wrend	:h200(N.m)							
Working temperature	-40°C ~ +80	°C								
Vibration	Frequency:	5~200Hz, am	plitude: 5mm, s	speed: 10m/s,0.10us	without instantan	eous break				
Impact resistance	294m/s2									
Salt fog	PH6.5-7.2,N	aCI,5% 48H								
Cable specification		2.5mm²-4mm² 12-14AWG		1.0mm²- 16-18		0.15mm ² 24-26				
Diameter range	Applicable	Applicable scope of OD (8Φ-12Φ) mm Applicable scope of OD (7Φ-9Φ) mm Applicable scope of OD (5.5Φ-7Φ) mm								
Protection level	IP67									
Certification standards	Comply wit	h the TUV and	I UL certification	on standards						





DH-24-Multi Core Series



Product parameter

Part NO. DH-24-C03PE-01-001 2.5mm ~ 5mm/14 ~ 12 AWG Wire specification

Line diameter range 8mm~12mm Diameter×number 3.0×3 30A Rated current(A) Operation 500V

voltage(AC.V.RMS)

<1mΩ Contact resistance

Temperature rise 30A per contact at 30℃ , 25A......40℃↓ , 30A......50℃↓。

Withstand voltage

2500V (AC.V)1minute >500MΩ Insulation resistance IP65/IP67 Protection level Mating cycle ≥500times Working temperature -40℃ -80℃

Quick bayonet connection Connection mode Welding / Crimping Wiring mode

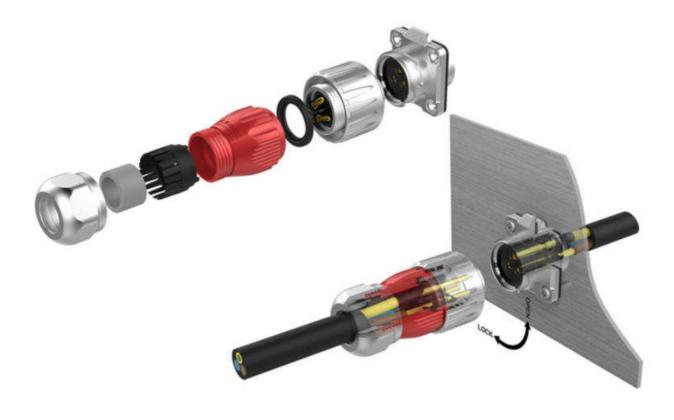
Material

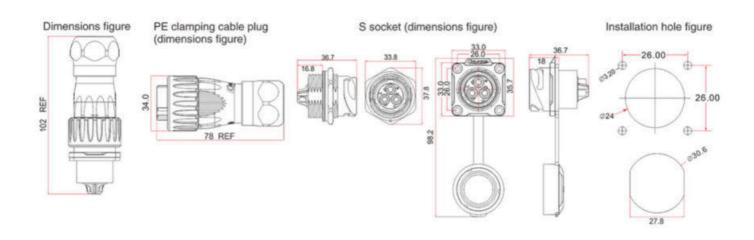
Insulation components High-performance engineering plastics

Hardware Zinc alloy (Nickel Plating) PIN Copper alloy | gold plating

Waterproof circle Silica gel UL94-V0 Flame retardant grade

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℃1	25A 40°C1;	30A 50°C↓						
Contact diameter x number	Φ2.7*2	Ф2.7*3	Φ2.7*4	Φ1.8*5	Ф1.8*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 wrenc	h200(N.m)						
Working temperature	-40°C ~ +80	°C							
Vibration	Frequency: 5	5~200Hz, ampl	ltude: 5mm, sp	oeed: 10m/s,0.	10us without i	nstantaneous I	oreak		
Impact resistance	294m/s2								
Salt fog	PH6.5-7.2,N	aCI,5% 48H							
Cable specification	UL2464	UL2464	UL2464	UL2464	UL2464	UL2464	UL2464		
cable specification	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	n standards					





YM-20-Multi Core Series



Product parameter

Part NO. YM-20-C03PE-01-001
Wire specification 2.5mm' - 4mm'/14 - 12 AWG

Line diameter range Φ8mm - Φ12mm

 Diameter×number
 Ф2.7×2

 Rated current(A)
 20A

 Operation
 500V

voltage(AC.V.RMS)

Contact resistance <1mΩ

Temperature rise 20A per contact at 30°C, 25A.....40°C, 30A.....50°C.

Withstand voltage (AC.V)1minute

Insulation resistance >500MΩ

Protection level IP65/IP67

Mating cycle ≥500times

Working temperature -40°C∼80°C

Connection mode Threaded connection
Wiring mode Welding / Crimping

Material

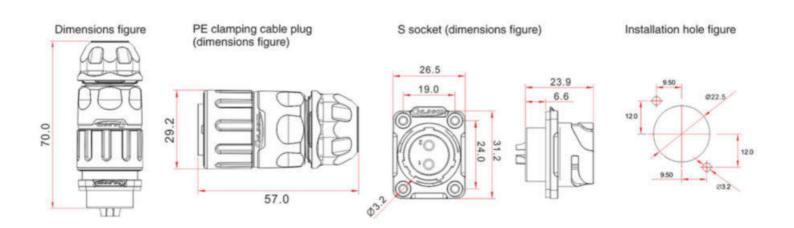
Insulation components High-performance engineering plastics

Hardware Zinc alloy (Nickel Plating)
PIN Copper alloy | gold plating

Waterproof circle Silica gel Flame retardant grade UL94-V0

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	400V	400V	250V	250V
Withstanding Voltage	2500V	2500V	2500V	2000V	2000V	1500V	1500V
Contact resistance	<1.0mΩ	<1.0mΩ	<1.0mΩ	<2.5mΩ	<2.5mΩ	<5.0mΩ	<5.0mΩ
Temperature rise	20A 30°C	↓; 25A 40°C↓	; 30A 50°C1		12A 30°C↓ ; 15A 4	10°C1 ; 20A 50°C1	
Contact diameter cnumber	Φ2.7*2	Φ2.7*3	Ф2.7*4	Φ1.8*5	Φ1.8*7	Φ1.0*9	Φ1.0*12
nsertion force	4.0N Max.	6.0N Max.	8.0N Max.	6.0N Max.	8.2N Max.	2.7N Max.	3.6N Max.
Durability	1700times						
crew torque	42-53(N.m)	torque wrend	:h200(N.m)				
Working temperature	-40°C ~ +80	°C					
/ibration	Frequency:	5~200Hz, am	plitude: 5mm, sp	eed: 10m/s,0.10us	without instantane	ous break	
mpact resistance	294m/s2						
Salt fog	PH6.5-7.2,N	aCI,5% 48H					
Cable specification							
Diameter range	Applicable s	cope of OD (10	D-11.5Φ) mm With	h a waterproof ring	(Φ12mm, Φ6.5mm)		
Protection level	IP67						
Certification Standards	Comply wit	h the TUV and	UL certification	standards			





YZ-20-Multi Core Series



Product parameter

 Part NO.
 YZ-20-C03PE-01-001

 Wire specification
 2.5mm² ~4mm/14~12 AWG

Line diameter range Φ8mm - Φ12mm

Diameter×number Φ2.7×2 Rated current(A) 20A

voltage(AC.V.RMS) 500V

Operation

Contact resistance <1mΩ

Temperature rise 20A per contact at 30°C, 25A.....40°C, 30A.....50°C.

Withstand voltage (AC.V)1minute 2500V Insulation resistance $> 500M\Omega$

Protection level IP65/IP67

Mating cycle ≥500times

Working temperature -40℃~80℃

Connection mode Quick bayonet connection Wiring mode Welding / Crimping

Material

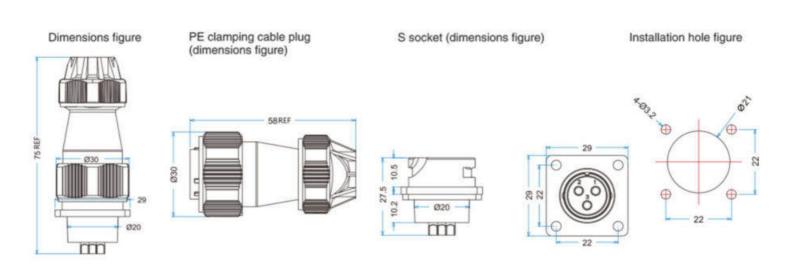
Insulation components High-performance engineering plastics

Hardware Zinc alloy (Nickel Plating)
PIN Copper alloy | gold plating

Waterproof circle Silica gel Flame retardant grade UL94-V0

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	400V	400V	250V	250V
Withstanding Voltage	2500V	2500V	2500V	2000V	2000V	1500V	1500V
Contact resistance	<1.0mΩ	<1.0mΩ	<1.0mΩ	<2.5mΩ	<2.5mΩ	<5.0mΩ	<5.0mΩ
Temperature rise	20A 30℃	1 ; 25A 40℃1	; 30A 50°C1		12A 30°C↓ ; 15A 4	10°C1 ; 20A 50°C1	
Contact diameter x number	Φ2.7*2	Φ2.7*3	Φ2.7*4	Φ1.8*5	Φ1.8*7	Φ1.0*9	Ф1.0*12
Insertion force	4.0N Max.	6.0N Max.	8.0N Max.	6.0N Max.	8.2N Max.	2.7N Max.	3.6N Max.
Durability	1700times						
Screw torque	42-53(N.m)	torque wren	ch200(N.m)				
Working temperature	-40°C ~ +80	°C					
Vibration	Frequency:	5~200Hz, am	plitude: 5mm, sp	eed: 10m/s,0.10u	s without instantane	ous break	
Impact resistance	294m/s2						
Salt fog	PH6.5-7.2,N	aCI,5% 48H					
Cable specification							
Diameter range	Applicable s	cope of OD (10	D-11.5Φ) mm With	h a waterproof ring	(Φ12mm, Φ6.5mm)		
Protection level	IP67						
Certification standards	Comply wit	h the TUV and	d UL certification	standards			





YA-20-Multi Core Series



Product parameter

Part NO. YA-20-C03PE-01-001
Wire specification 2.5mm ~4mm/14~12 AWG

Line diameter range Φ8mm - Φ12mm

 Diameter×number
 Ф2.7×2

 Rated current(A)
 20A

 Operation
 500V

 voltage(AC.V.RMS)

Contact resistance <1m0

Temperature rise 20A per contact at 30°C, 25A......40°C, 30A......50°C.

Withstand voltage 2500V

(AC.V)1minute

Insulation resistance > 500MΩ

Protection level IP65/IP67

Mating cycle ≥500times

Working temperature -40°C~80°C

Connection mode Threaded connection
Wiring mode Welding / Crimping

Material

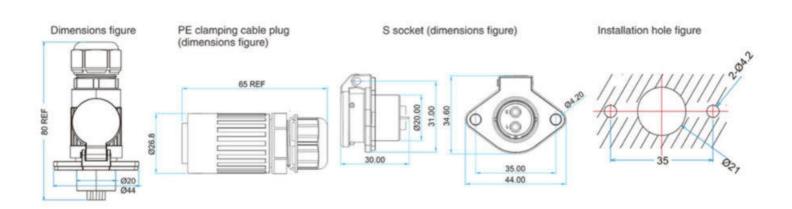
Insulation components High-performance engineering plastics

Hardware Zinc alloy (Nickel Plating)
PIN Copper alloy | gold plating

Waterproof circle Silica gel Flame retardant grade UL94-V0

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	400V	400V	250V	250V		
Withstanding Voltage	2500V	2500V	2500V	2000V	2000V	1500V	1500V		
Contact resistance	<1.0mΩ	<1.0mΩ	<1.0mΩ	<2.5mΩ	<2.5mΩ	<5.0mΩ	<5.0mΩ		
Temperature rise	20A 30°C	1 ; 25A 40°C1	; 30A 50°C1		12A 30°C1 ; 15A	40°C1 ; 20A 50°C1			
Contact diameter x number	Φ2.7*2	2.7*2							
Insertion force	4.0N Max.	6.0N Max.	8.0N Max.	6.0N Max.	8.2N Max.	2.7N Max.	3.6N Max.		
Durability	1700times				-1				
Screw torque	42-53(N.m)	torque wrend	:h200(N.m)						
Working temperature	-40°C ~ +80	°C							
Vibration	Frequency:	5~200Hz, am	olitude: 5mm, sp	eed: 10m/s,0.10us	without instantane	ous break			
Impact resistance	294m/s2								
Salt fog	PH6.5-7.2,N	aCI,5% 48H							
Cable specification									
Diameter range	Applicable s	cope of OD (14	0-11.5Φ) mm With	n a waterproof ring	(Φ12mm, Φ6.5mm)				
Protection level	IP67								
Certification standards	Comply wit	h the TUV and	UL certification	standards					





YW-16-Multi Core Series



Product parameter

Threaded connection

Part NO. YW-16-C03PE-02-001
Wire specification 1.0mm′-1.5mm/14-12 AWG

 Line diameter range
 Φ3mm ~ Φ7mm

 Diameter×number
 Φ1.5×3

 Rated current(A)
 10A

Operation

500V

voltage(AC.V.RMS)
Contact resistance

<2.5mO

Temperature rise 10A per contact at 30°C, 12A......40°C, 15A......50°C.

Withstand voltage 2500V

(AC.V)1minute
Insulation resistance > 500MΩ
Protection level IP65/IP67
Mating cycle ≥500times

Mating cycle ≥500times

Working temperature -40°C −80°C

Connection mode Threaded con

Connection mode Threaded connection
Wiring mode Welding / Crimping

Material

Insulation components High-performance engineering plastics

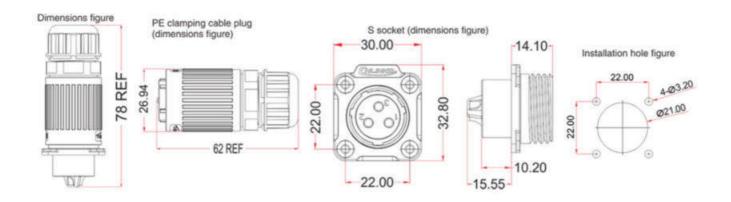
Hardware Zinc alloy (Nickel Plating)
PIN Copper alloy | gold plating

Waterproof circle Silica gel Flame retardant grade UL94-V0

the number of pins	2PIN	3PIN	4PIN	5PIN	7PIN	9PIN	12PIN
The PIN map	\odot	••	::	•••	:		
Rated current	20A	20A	20A	12A	12A	5A	5A
Operating voltage	500V	500V	500V	400V	400V	250V	250V
Withstanding Voltage	2500V	2500V	2500V	2000V	2000V	1500V	1500V
Contact resistance	<1.0mΩ	<1.0mΩ	<1.0mΩ	<2.5mΩ	<2.5mΩ	<5.0mΩ	<5.0mΩ
Temperature rise	20A 30°C	1 ; 25A 40°C1	; 30A 50°C1		12A 30°C4 ; 15A 4	10°C1 ; 20A 50°C1	
Contact diameter	Φ2.7*2	Φ2.7*3	Φ2.7*4	Ф1.8*5	Ф1.8*7	Φ1.0*9	Ф1.0*12
Insertion force	4.0N Max.	6.0N Max.	8.0N Max.	6.0N Max.	8.2N Max.	2.7N Max.	3.6N Max.
Durability	1700times						
Screw torque	42-53(N.m)	torque wren	ch200(N.m)				
Working temperature	-40°C ~ +80	°C					
Vibration	Frequency:	5~200Hz, am	plitude: 5mm, sp	eed: 10m/s,0.10u	s without instantane	ous break	
Impact resistance	294m/s2						
Salt fog	PH6.5-7.2,N	aCI,5% 48H					
Cable specification							
Diameter range	Applicable s	cope of OD (10	D-11.5Φ) mm With	h a waterproof ring	(Φ12mm, Φ6.5mm)		
Protection level	IP67						
Certification standards	Comply wit	h the TUV and	d UL certification	standards			



Appearance dimension



YW-20-Multi Core Series



Product parameter

 Part NO.
 YW-20-C03PE-01-001

 Wire specification
 2.5mm²-4mm²/14-12 AWG

Line diameter range Φ8mm~Φ12mm

Diameter×number Ф2.7×2
Rated current(A) 20A
Operation 500V

voltage(AC.V.RMS)

Contact resistance <1mΩ

Temperature rise 20A per contact at 30°C, 25A.....40°C, 30A.....50°C.

Withstand voltage
(AC.V)1minute
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

the number of pins	2PIN	3PIN	4PIN	5PIN	7PIN	9PIN	12PIN			
The PIN map	\odot	•••	::	:	:::					
Rated current	20A	20A	20A	12A	12A	5A	5A			
Operating voltage	500V	500V	500V	400V	400V	250V	250V			
Withstanding Voltage	2500V	2500V	2500V	2000V	2000V	1500V	1500V			
Contact resistance	<1.0mΩ	<1.0mΩ	<1.0mΩ	<2.5mΩ	<2.5mΩ	<5.0mΩ	<5.0mΩ			
Temperature rise	20A 30°C	20A 30°C1 ; 25A 40°C1 ; 30A 50°C1 12A 30°C1 ; 15A 40°C1 ; 20A 50°C1								
Contact diameter number	Φ2.7*2	2.7*2 Φ2.7*3 Φ2.7*4 Φ1.8*5 Φ1.8*7 Φ1.0*9 Φ								
nsertion force	4.0N Max.	6.0N Max.	8.0N Max.	6.0N Max.	8.2N Max.	2.7N Max.	3.6N Max.			
Durability	1700times									
crew torque	42-53(N.m)	torque wrend	h200(N.m)							
Working temperature	-40°C ~ +80	°C								
/ibration	Frequency:	5~200Hz, amp	olitude: 5mm, sp	eed: 10m/s,0.10us	without instantane	ous break				
mpact resistance	294m/s2									
Salt fog	PH6.5-7.2,N	aCI,5% 48H								
Cable specification										
Diameter range	Applicable s	cope of OD (14	-11.5Φ) mm With	a waterproof ring	(Φ12mm, Φ6.5mm)					
rotection level	IP67									
Certification Standards	Comply wit	h the TUV and	UL certification	standards						



