

BD-24 Series



Part NO.	BD-24-CJ03E-01-001
Wire specification	2.5mm ² ~ 4mm ² /14 ~ 12 AWG
Line diameter range	Φ8mm ~ Φ12mm
Diameter*number	Φ3.0×3
Rated current(A)	30A
Operation voltage(AC.V.RMS)	500V
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	≥500times
Working temperature	-40℃ ~ 80℃
Connection mode	Quick snap fastener
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	3PIN	RJ45					
The PIN map							
Rated current	20A	1.5A					
Operating voltage	500V						
Withstanding Voltage	2500V	2500V					
Contact resistance	<5.0mΩ	<30mΩ					
Temperature rise	20A 30℃↓ ; 25A 40℃↓ ; 30A 50℃↓						
Contact diameter x number	Φ3.0*3	8PIN					
Insertion force	4.5N Max.	4.5N 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						
Diameter range	Applicable scope of OD (4Φ-14Φ) mm With a waterproof ring (Φ 7 mm, 14 mm Φ)						
Protection level	IP65/IP67						
Certification standards	Comply with the TUV and UL certification standards						

Connection graph

