

LP-16

WATERPROOF CONNECTOR

INTRODUCTION

LP-16type connector are high quality and high precious with best quality performance under harsh situation,be widely used in lighting system,Audio,Medical equipment,industrial control and testing measurement equipment and so on.



All metal



Metal+Plastic



All plastic



Male plug



Female connector



Female socket

- 1: With multi-core(2-9 core) design to fit with different industrial needs.
- 2: Design snap lock ensures stable and security firm.
- 3: Humanization design achieved blind operation.
- 4: Both soldering and crimping are available.
- 5: Socket and internal made of zinc alloy, with well protected electromagnetic and radio frequency interference.
- 6: Gold-plating; high strength corrosion resistance and electrical conductivity.
- 7: Shell made of material PBT, stable electrical performance, high strength and resistance to pressure, high temperature resistance, anti-explosion, anti-corrosive.
- 8: Both cable connector to cable connector and cable connector to panel mounting are available.
- 9: IP65/IP67 when mated.
- 10: Please indicate if you need the IP level more high.



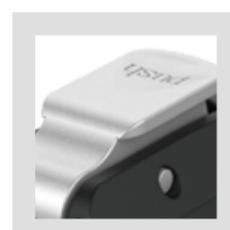
Unique CNLINKO design



Gold-plating copper



Groove female design



Unique design reinforce lock

Pin Number	2Pin	3Pin	4Pin
PICTURE AND PART NO. Male plug & Female socket	 LP-16-C02PE-01-001 Male plug	 LP-16-C03PE-01-001 Male plug	 LP-16-C04PE-01-001 Male plug
	 LP-16-J02PP-01-001 Female connector	 LP-16-J03PP-01-001 Female connector	 LP-16-J04PP-01-001 Female connector
	 LP-16-J02SX-02-001 Female socket	 LP-16-J03SX-02-001 Female socket	 LP-16-J04SX-02-001 Female socket

			
Cable specification	1.0M m ² ~ 1.5M m ² / 18-16AWG		
Diameter range	Φ3mm ~ Φ7mm		Φ5.5mm ~ Φ7mm
Contact diameter × number	Φ1.5×3	Φ1.5×3	Φ1.5×4
Rated Current (A)	10A		
Operating voltage (AC.V.rms)	400V		
Contact resistance	<2.5mΩ		
Temperature rise	10A contact temperature below 30°C 12A.....40°C, 15A.....50°C.		
Withstanding Voltage (AC.V) 1 minute	2500V		1500V
Insulation resistance	> 500MΩ		
Protection level	IP65/IP67		
Durability	≥500times		
Working temperature	-40°C ~ 80°C		
Connecting mode	Easy locking type		
Assembly wire	Soldering/Crimping		
MATERIALS			
Housing&insulation parts	High-performance engineering plastics		
Hardware	Zinc alloy (pearl hard chrome)		
cooper pins	Copper alloy (gold-plated 4U)		
waterproof cover	Silica gel		
Flammability rating	UL94-V0		

LP-16 SERIES SPECIFICATIONS SHEET

Pin Number	5Pin	7Pin	8Pin	9Pin
PICTURE AND PART NO.	 LP-16-C05PE-01-001 Male plug	 LP-16-C07PE-01-001 Male plug	 LP-16-C08PE-01-001 Male plug	 LP-16-C09PE-01-001 Male plug
	 LP-16-J05PP-01-001 Female connector	 LP-16-J07PP-01-001 Female connector	 LP-16-J08PP-01-001 Female connector	 LP-16-J09PP-01-001 Female connector
	 LP-16-J05SX-02-001 Female socket	 LP-16-J07SX-02-001 Female socket	 LP-16-J08SX-02-001 Female socket	 LP-16-J09SX-02-001 Female socket



Cable specification	0.15m ² ~ 0.2m ² /26-24 AWG			
Diameter range	Φ3mm ~ Φ6mm			
Contact diameter × number	Φ1.0×5	Φ1.0×7	Φ1.0×8	Φ1.0×9
Rated Current (A)	5A			
Operating voltage (AC.V.rms)	250V			
Contact resistance	<5mΩ			
Temperature rise	10A contact temperature below 30°C 12A.....40°CI , 15A.....50°CI.			
Withstanding Voltage (AC.V) 1 minute	1500V			
Insulation resistance	> 500MΩ			
Protection level	IP65/IP67			
Durability	≥500times			
Working temperature	-40°C ~ 80°C			
Connecting mode	Easy locking type			
Assembly wire	Soldering/Crimping			

MATERIALS	
Housing&insulation parts	High-performance engineering plastics
Hardware	Zinc alloy (pearl hard chrome)
cooper pins	Copper alloy (gold-plated 4U)
waterproof cover	Silica gel
Flammability rating	UL94-V0

CONNECTION SCHEMES



DIMENSION FIGURE

