



CNLINKO Part number Guide

LP	20	C	03	PE	0	1	001
1	2	3	4	5	6	7	8

1 PRODUCT SERIES	two letter
2 INSTALLATION SIZE	12= ϕ 12mm 16= ϕ 16mm 20 = ϕ 20mm 24 = ϕ 24mm.....
3 TYPE OF NEEDLE	C=Male pin,J=Female pin,R=RJ45,U=USB,F=Fiber
4 PIN NO.	00=No type pin , 01= single pin 02=2 pin 03=3 pin 04=4 pin
5 GENDER	PE=Plug, SX=Socket, PP=Connector
6 CONNECTING OF WIRE	0=soldering, 1=Crimping,2=Locking,3=Riveting,4=others
7 GENERATION	1-9
8 SPECIAL CODE	001-999



LP-12

WATERPROOF CONNECTOR

INTRODUCTION

LP-12 type 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.



Male plug



Female connector



Female socket

- 1: With multi-core(2-8 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

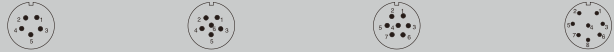


Unique design reinforce lock

Pin Number	2Pin	3Pin	4Pin	
PICTURE AND PART NO.	 LP-12-C02PE-02-001 Male plug	 LP-12-C03PE-02-001 Male plug	 LP-12-C04PE-02-001 Male plug	
	 LP-12-J02PP-02-001 Female connector	 LP-12-J03PP-02-001 Female connector	 LP-12-J04PP-02-001 Female connector	
	 LP-12-J02SX-03-001 Female socket	 LP-12-J03SX-03-001 Female socket	 LP-12-J04SX-03-001 Female socket	
				
	Cable specification	≤0.785M m / 18AWG		
	Diameter range	Φ3mm ~ Φ7mm		
Contact diameter × number	Φ1.5×3	Φ1.0×3	Φ1.0×4	
Rated Current (A)	5A			
Operating voltage (AC.V,rms)	250V			
Contact resistance	<5mΩ		<5mΩ	
Temperature rise	5A contact temperature below 30°C 7A.....40°C , 10A.....50°C, /			
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			

LP-12 SERIES SPECIFICATIONS SHEET

Pin Number	5Pin	6Pin	7Pin	8Pin
PICTURE AND PART NO.				
	LP-12-C05PE-02-001 Male plug	LP-12-C06PE-02-001 Male plug	LP-12-C07PE-02-001 Male plug	LP-12-C08PE-02-001 Male plug
				
	LP-12-J05PP-02-001 Female connector	LP-12-J06PP-02-001 Female connector	LP-12-J07PP-02-001 Female connector	LP-12-J08PP-02-001 Female connector
				
	LP-12-J05SX-03-001 Female socket	LP-12-J06SX-03-001 Female socket	LP-12-J07SX-03-001 Female socket	LP-12-J08SX-03-001 Female socket



Cable specification	≤0.785M m ³ /18AWG			
Diameter range	Φ3mm ~ Φ6mm			
Contact diameter × number	Φ1.0×5	Φ0.8×6	Φ0.8×7	Φ0.8×8
Rated Current (A)	5A		3A	
Operating voltage (AC.V.rms)	250V		200V	
Contact resistance	<5mΩ			<10mΩ
Temperature rise	7A.....40°C 10A.....50°C			/
Withstanding Voltage (AC.V) 1 minute	1500V			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

