



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= $\varnothing$ 12mm 16= $\varnothing$ 16mm 20 = $\varnothing$ 20mm 24 = $\varnothing$ 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 ^{mm} /18AWG
	Diameter range			Φ3mm ~ Φ7mm
	Contact diameter × number			Φ1.5×3
	Rated Current (A)			5A
	Operating voltage (AC.V.rms)			250V
Contact resistance			<5mΩ	
Temperature rise			5A contact temperature below 30℃ 7A.....40℃1 , 10A.....50℃1, /	
Withstanding Voltage (AC.V) 1 minute			1500V	
Insulation resistance			> 500MΩ	
Protection level			IP65/IP67	
Durability			≥500times	
Working temperature			-40℃ ~ 80℃	
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.	Male plug& Female socket				
		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㎡ /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				
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

