

Data Sheet - TRU Components

BN: 3205305



Last updated: 28 June 2024

MPTL Premium Cat 6A RJ45 connector for field assembly, shielded

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NOTES:

ELECTRICAL:

- Contact Resistance : 20MΩ MAX
- Insulation Resistance : 500MΩ MIN @ 500V DC
- Withstand Voltage : DC 1000V AC 700V RMS 60Hz, 1MIN ANSI-TIA568.2-D
- Component testing for MPTL requirements: IEC 60603-7-5 CAT. 6A /Class EA
MPTL Test pass

Accessories
:Copper foil*ipc

ENVIRONMENTAL:

- Storage temperature: -40°C~+70°C
- Operation temperature: 10°C~+60°C
- Operation humidity:10%~85%
- Storage humidity:10%~85%

MECHANICAL

- Housing MATERIAL: Zinc alloy
- IDC MATERIAL: PC TERMINAL:PHOSPHOR BRONZE, TIN PLATING
- RJ45 Contact Life: 750 Times Min
- Plug inforce:<30N
- Solid cable:1/22AWG(0.65MM)-1/26AWG(0.4MM) ID:1.1MM-1.6MM
- Stranded cable:7/22AWG-7/26AWG ID:1.1MM-1.6MM
- Cable OD: 5.0mm-8.5mm
- PoE per IEEE 802.3af, PoE+ per IEEE 802.3at, PoE++ per IEEE 802.3bt, RoHS 2011/65/EU and amendment directives (EU) 2015/863 compliant;REACH 1907/2006/EC compliant.

Packing: 1pc/ paper bag+label

MATERIAL LIST:

NO.	PARTS NAME	SPECIFICATION STANDARD	QT'Y	REMARK
⑦	Boot bracket	Black	1	
⑧	Dust cap	black	1	
⑥	Boot	Blue	1	
⑤	Housing	zinc alloy	1	
④	MODULAR COVER	PC with label color code T568B	1	
③	RJ 45 Plug	8P8C GOLD PLATED	1	
②	PCB	1.0mm	1	
①	IDC	FOR 22-26AWG(0.40mm-0.65mm) CABLE, PHOSPHOR BRONZE & TINNED	1	

CUSTOMER	CN	BN.	70407c7
PRODUCT NAME	Field Installable RJ 45 shielded connector Cat6A/Class EA	UNIT	MM
DRAWNBY	CHECKBY	APPOBY	DATE
			2024-05-24

BY	CHK	REVISION RECORD MODIFICATIONS	DATE	REV.
		NEW	2024-05-24	A

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How to assemble:



1. Remove the product and all accessories



2. (1) cable OD: 7.0-8.5mm Insert cable into nut, put on the ring (A) (2) cable OD: 5.0mm-7.0mm Insert cable into nut, put on the ring (B)



3. Strip off 1.2 inch (30mm) of cable jacket



4. Fold back braid and drain wire.



5. Paste copper foil on the braid and ground wire and cut off the excess weave and ground wire



6. Fan out all four twisted pairs, following the color coding label and allocate each



7. Across the holder, according to the color marks of T568A or T568B



8. Following the color coding label and allocate each conductor into proper slots on wiring cap. Trim the ends of conductors.



9. Place wiring cap on plug



10. Close plug cover, put on the ring, make sure the drain wire is in proper contact with grounding clip on plug.



11. Screw the nut tight