

NOTES:

ELECTRICAL:

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

ENVIRONMENTAL:

- 1. Storage temperature : -40° TO+70°
- 2. Operation temperature : -10° to+60°

MECHANICAL

- 1. Housing MATERIAL: Zinc alloy
 - 2. IDC MATERIAL: PC TERMINAL:PHOSPHOR BRONZE, TIN PLATING
 - 3. RJ45 Contact Life: 750 Times Min
 - 4. Plug inforce: <30N
 - 5. Solid cable: 1/22AWG(0.65MM)-1/26AWG(0.4MM) ID: 1.1MM-1.6MM
 - 6. Stranded cable: 7/24AWG(7/0.20mm)-7/27AWG(7/0.14mm) ID: 1.1MM-1.6MM
 - 7. Cable OD: 5.0mm-8.5mm
 - 8. PoE per IEEE 802.3af, PoE+ per IEEE 802.3at, PoE++ per IEEE 802.3bt, RoHS 2.0 and REACH Compliant
- Packing: 1pcs/PE Bag + Label

⑦	Sheel	Zinc alloy	2	
⑥	Housing	Zinc alloy	1	
⑤	MODULAR COVER	PC label color code T568A/B	1	
④	RJ 45 Plug	8P8C GOLD PLATED	8	
③	PCB	1.0mm UL 94V0	1	
②	IDC PIN	PHOSPHOR BRONZE & TINNED	8	
①	IDC TERMINAL	FOR 22-27AWG CABLE	8	

NO.	PARTS NAME	SPECIFICATION STANDARD	QT' Y	REMARK
		NEW	2020-01-17	A
BY	CHK	REVISION RECORD MODIFICATIONS	DATE	REV.

DIMENSIONAL TOLERANCES UNLESS OTHERWISE NOTED		SYNERGY 21					
TOLERANCE	mm	CUSTOMER	ITEM NO.	S216377			
.X	±0.2	PRODUCT NAME	Field Installable RJ 45 shielded with push and pull	manufacture country	CHINA	UNIT	MM
.XX	±0.10						
.XXX	±0.005	DRAWNBY	CHECKBY	APPROVE	DATE		
PROJECTION		SYNERGY 21	SYNERGY 21	SYNERGY 21	2020-01-17		

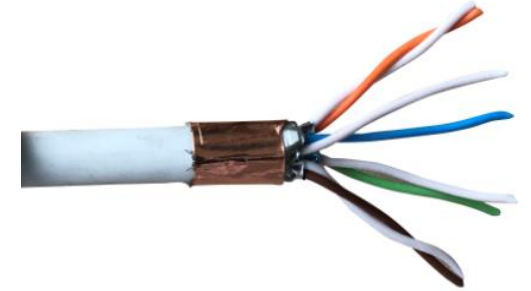
Instruction Manual



1.strip off 1.2 inch(30mm) of cable jacket, fold back braid and drain wire.



2.paste copper foil on the braid and ground wire and cut off the excess weave and ground wire



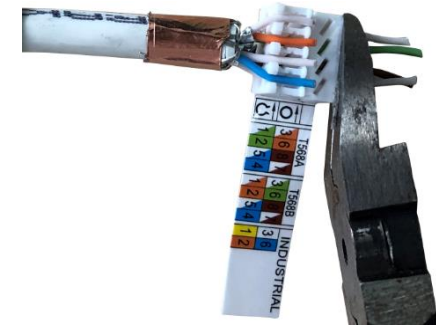
3.Fan out all four twisted pairs, following the color coding label and allocate each



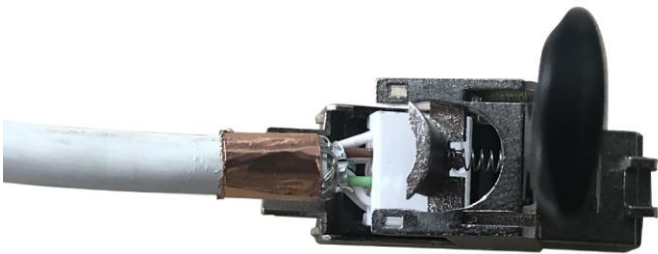
4.Across the holder, according the color marks of T568A or T568B or PROFINET(INDUSTRIAL)



5.following the color coding label and allocate each conductor into proper slots on wiring cap.



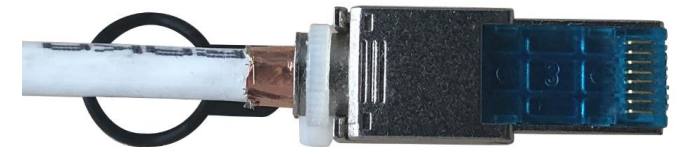
6.Trim the ends of conductors.



7.Place wiring cap on plug



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



9.Tighten cable tie