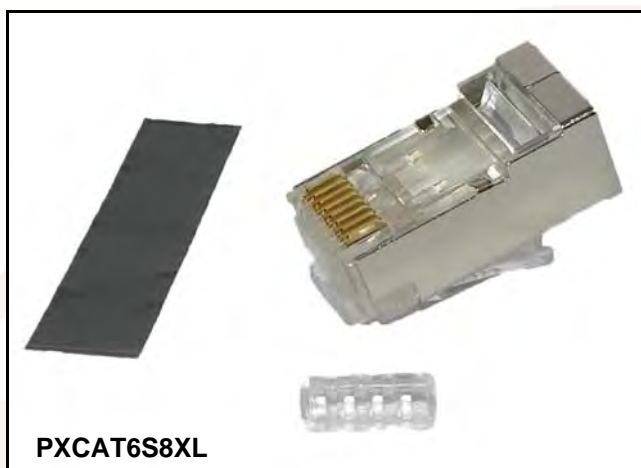


## **Category 6/6A Shielded Modular Plug (8P8C)**



We are pleased to offer high performance shielded connectors suitable for rapid termination of Category 6 and Category 6A patch cables. No soldering is required and the plugs can be terminated well in the field or on an automated production line.

### ***Features***

#### **PXCAT6S8XL**

- Contact blades are suitable for stranded or solid wire from 22-26 AWG. cores up to 1.15mm O.D
- 2 part (plus foil) plug with large entry for large outer diameter cable (easily accommodates 7mm O.D.)
- Compatible SR boot also available in black, white or transparent (PS2bk8 + PS2wh8 + PS2CLR8)

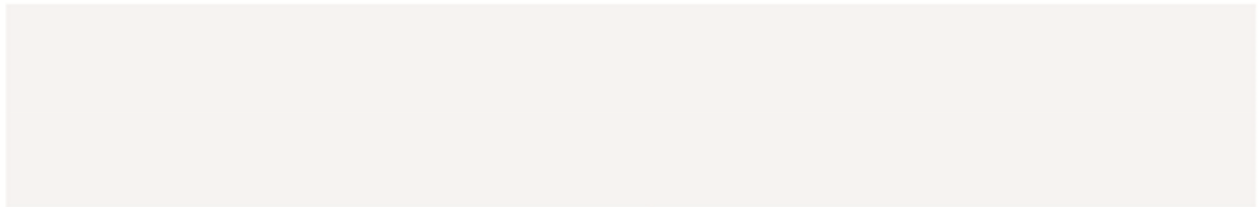
#### **PXCAT6S4**

- Contact blades are suitable for stranded or solid wire from 22-26 AWG. cores up to 1.02mm O.D.
- 3 part (plus foil) plug with extra cross insert separators and 1/3/7 pattern low insert for high performance.
- Suitable for use with flush or overboot style SR.

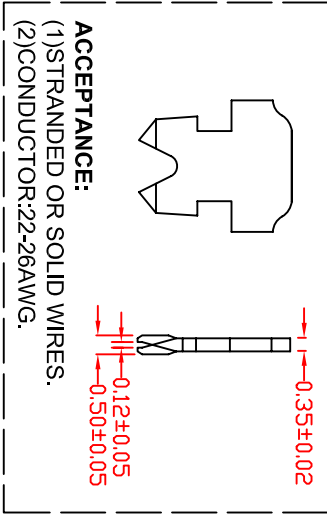
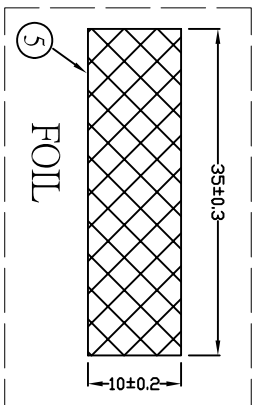
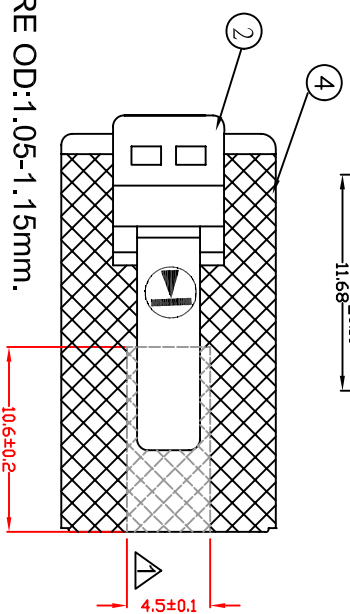
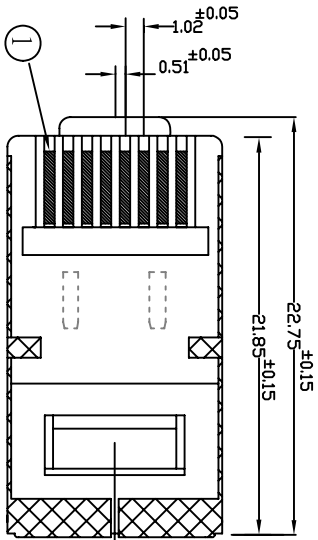
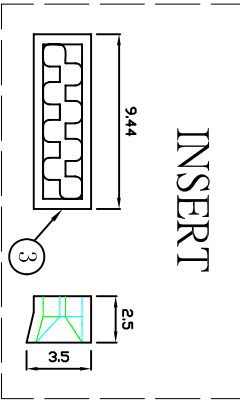
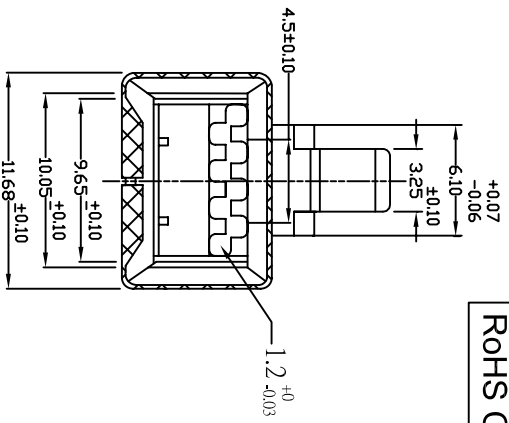
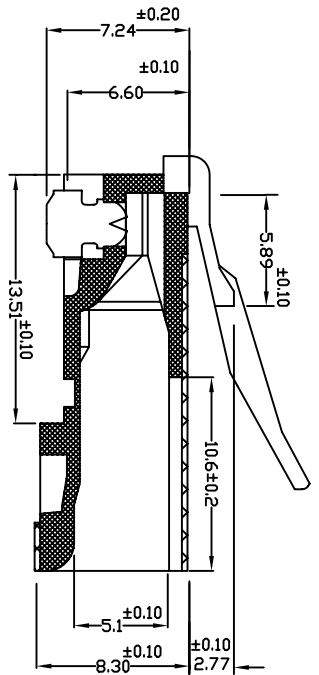
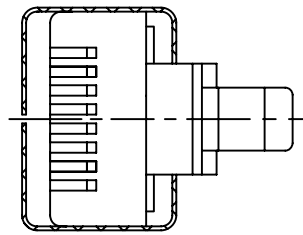
### ***Specifications***

- Suitable for round Category 6/6A FTP cable. Enables reliable termination to Category 6/6A component level patch lead standard.
- UL listed
- Housing: Polycarbonate, UL94V


- Shielding: Nickel-plated copper
- Contacts: 50 "1.27 m Gold plated over 100 "2.54 m Nickel plate over Phosphor Bronze
- Foil wrap



ROHS COMPLIANT



FOR WIRE OD:1.05-1.15mm.  
CABLE OD:7.0mm MAX.

⑤	FOIL		35X10mm	1	ZFCUDBXXX
④	Shielded	Cu	CAT6 8P	1	ZPC88XXXX-08
③	INSERT	PC	8P	1	PG88XgN0BXf0-1H1
②	HOUSING	PC	8P 5.1F	1	PH88XgN0BXSO-G
①	Contact Pin	Cu	High low PIN	4 4	GP16XXX GP13XXX
No.	Name	Material	Specification	QTY'	Drawing
APPD.			P/N.	PXcat6S8XL	
CHKD.			FILE	PG88XgN0BXSO.DWG	
DR.			TITLE	Suitable for cat 6 stranded cable wire OD:1.05~1.15	
					

TUK LTD

SCALE

UNIT

/

MM

SIZE

REV.

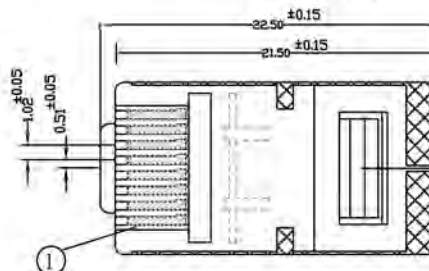
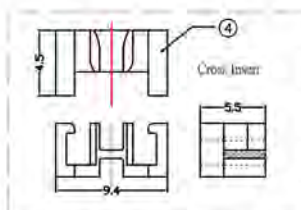
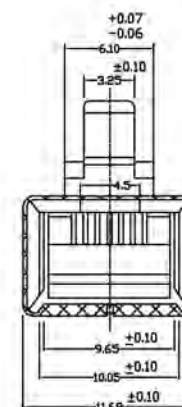
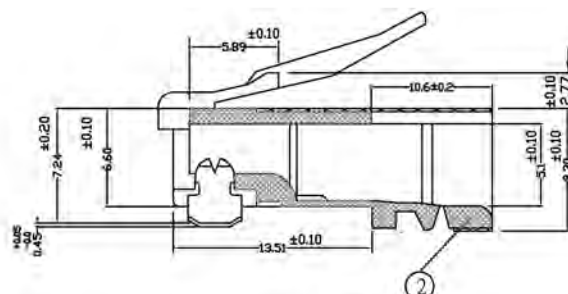
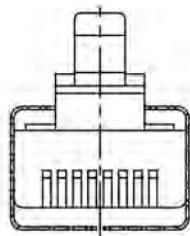
A4

A1

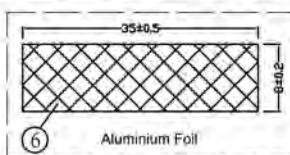
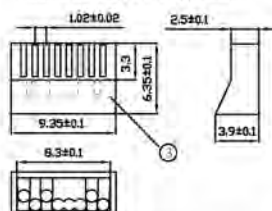
Tuk Ltd, Unit 4, Wimbledon stadium Business Centre, Riverside Road, London SW17 0BA  
Tel: 020 8946 6688 Fax: 020 8879 7410 Email: sales@tuk.co.uk Website: www.tuk.co.uk

ROHS Compliant

Code: PXCAT6S4



Double CAT.6(1'3'7' Low) Insert



# SPECIFICATION:

- MATERIAL:**  
HOUSING PLASTIC: POLYCARBONATE UL94-V0  
CONTACT PIN: PHOSPHOROUS BRONZE 50U" (1.27um) GOLD PLATE  
OVER NICKEL 100U"(2.54um) MIN.
- ELECTRICAL:**  
CURRENT RATING: 1.5 AMPS,  
VOLTAGE RATING: 250 VOLTS AC MAX,  
CONTACT RESISTANCE: 30 MILLIOHM MAX,  
INSULATION RESISTANCE: 500 MEGOHM MIN,  
DIELECTRIC WITHSTANDING VOLTAGE: 1000V AC FOR 1 MINUTE
- MECHANICAL:**  
WORKING TEMPERATURE: -25~55° C  
DURABILITY: 1000 MATING CYCLES MIN  
TENSILE STRENGTH BETWEEN PLUG AND JACK IS HIGHER THAN 7.7kgf
- LABORATORY APPROVALS:**  
UL FILE NO E193294

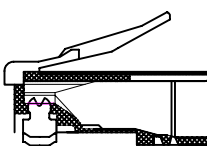
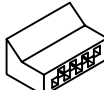

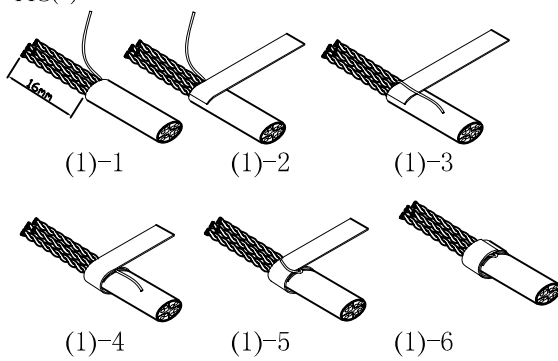
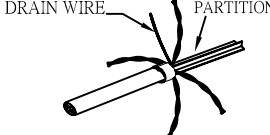
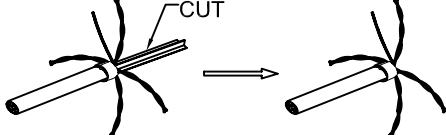
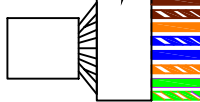
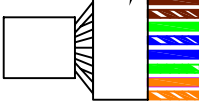
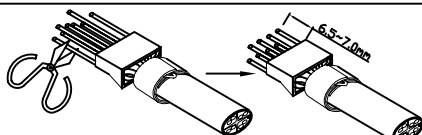
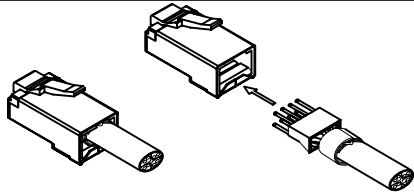
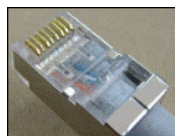
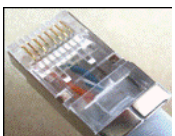
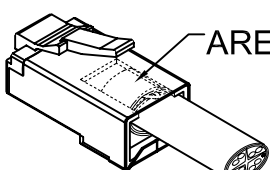
⑥	Metal Foil	Aluminium	35X8mm	1	ZFALDBXXX-6
⑤	Shielded	Cu	_____	1	ZPG88XX01-08
④	China insert	PC	8P	1	PG88XXKV0BX00-IH1
③	Insert	PC	1'3'7' Low Insert	1	PG88XXKV00X10-IH2
②	Housing	PC	8P8C	1	PH88Xg10TXS0
①	Contact Pin	Cu	Big Angle	3	Shut Pin: GP16XXX
				5	Long Pin: GP10XXX
No.	Name	Material	Specification	QTY'	Drawing
APPD.			P/N.	PXCAT6S4	
CHKD.			TUK Ltd		
DR.			TITLE	8P8C Shielded plug	
					



# ASSEMBLY INSTRUCTION

FOR 3 PART PLUG (T568A & T568B WIRING) (CODE:PXCAT6S8XL)



<p>PLUG MAIN BODY</p>  <p>AREA "A"</p> <p>INSERT</p>  <p>COPPER FOIL</p> 		
STEPS	FIGURES	IMPORTANT POINTS
1.SURROUND THE DRAIN WIRE WITH COPPER FOIL	FIG(1)  <p>(1)-1 (1)-2 (1)-3 (1)-4 (1)-5 (1)-6</p>	STRIP OUT CABLE JACKET WITH A LENGTH OF 16mm .  ROLL THE COPPER FOIL AND DRAIN WIRE ON THE CABLE JACKET AS PER FIG (1)-1~FIG (1)-6
2.SEPARATE PAIRS	FIG(2)  <p>DRAIN WIRE PARTITION</p>	REMOVE THE FOIL SHIELD, SEPARATE TWISTED PAIRS & DRAIN WIRE AS SHOWN IN FIG (2)
3.CUT PARTITION	FIG(3)  <p>CUT</p>	CUT OUT THE PARTITION TO THE EDGE OF THE CABLE JACKET
4.UNTWIST AND STRAIGHTEN WIRES	FIG(4) T568A WIRING  <p>INSERT</p> <p>T568A BR W/BR OR W/BL BL W/OR GR W/GR</p> <p>OR</p> <p>T568B WIRING <p>INSERT</p><p>T568B BR W/BR GR W/BL BL W/GR OR W/OR</p><p>UNTWIST THEN STRAIGHTEN THE CORES &amp; PRESENT THEM IN THE CORRECT ORDER FOR T568A or T568B</p></p>	
5. CUT OFF EXCESS WIRES	FIG(5)  <p>6.5-7.0mm</p>	Leave 6. 5~7. 0 mm wires protruding out of the INSERT. Cut off excess length of the wires.
6. PUSH INTO PLUG MAIN BODY	FIG(6) 	PUT THE ASSEMBLY INTO THE PLUG AND PUSH THE ASSEMBLY TO THE VERY END OF THE PLUG
7. CRIMPING OF THE PLUG	FIG(7)  <p>BEFORE CRIMPING</p>  <p>AFTER CRIMPING</p>	CRIMP THE PLUG ASSEMBLY COMPLETED
8. DRAIN WIRE CONTACTED	FIG(8)  <p>AREA "A"</p>	AFTER CRIMPING, THE DRAIN WIRE AND COPPER FOIL CONTACTS THE METAL SHIELDING AT AREA "A"