

**Overview**

Bandwidth: 500MHz  
 OD: 4.7mm  
 Conductor: 28AWG  
 Approvals: RoHS  
 Connector: 50U" gold plated RJ45 connector

**Physical Characteristics**

- Cable Type – Cat6A F/UTP
- Connector Type(s) – RJ45
- Wiring Scheme – T568B
- Temperature Rating – -20°C to +75°C
- Voltage Rating – 30V

**Conductor (Qty. 4 twisted pair)**

- Conductor Type – 28AWG(1/0.32), Solid Copper
- Insulation – HDPE
- Diameter – 0.60±0.05mm
- Pair Identification:
  - Pair1=Orange, Orange-White
  - Pair2=Blue, Blue-White
  - Pair3=Green, Green-White
  - Pair4=Brown, Brown-White

**Connector Type (Qty. 2)**

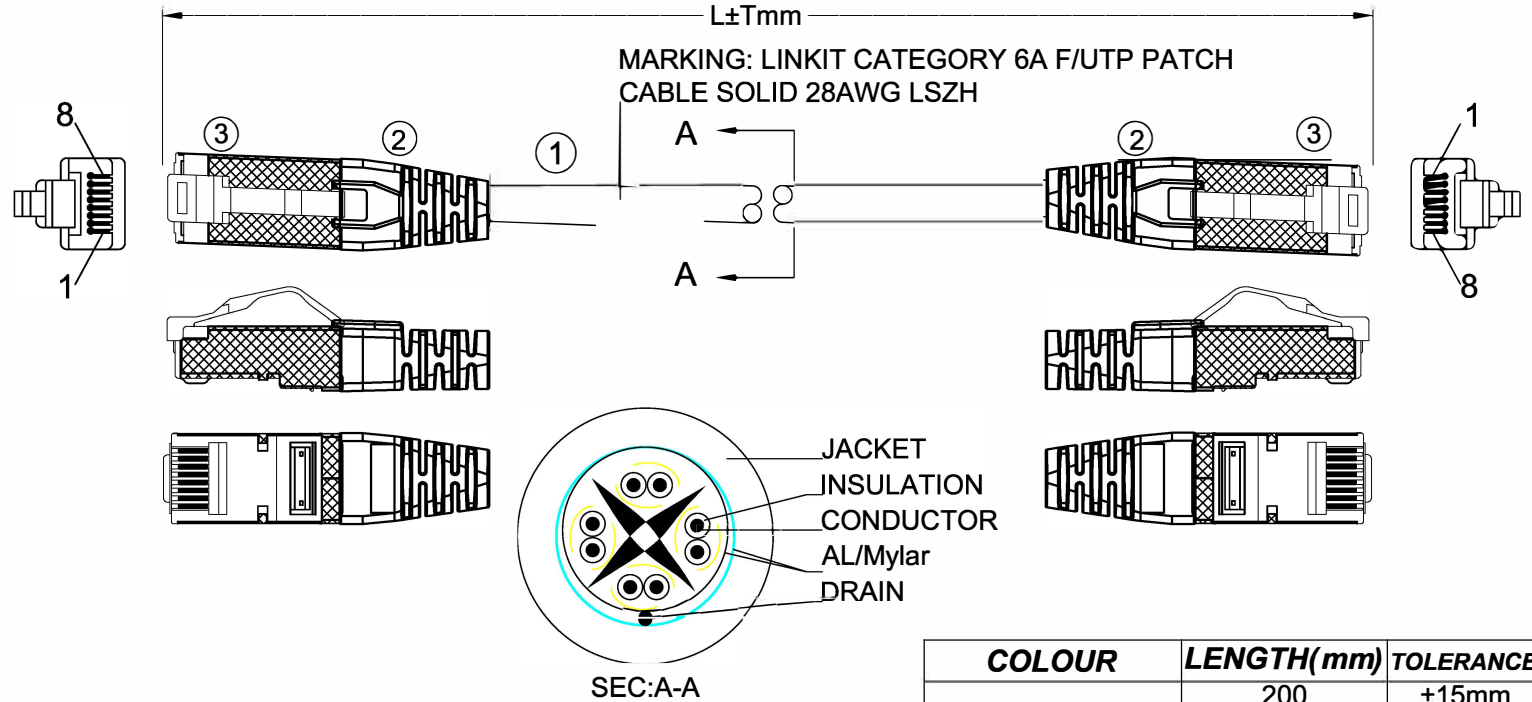
- Connector Type – Shielded 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, Gold Plating 50U"
- Hood Material – TRANSPARENT ASSEMBLE

**Overall Cable**

- Jacket – LSZH
- Minimum Average Thickness – 0.60mm
- Outer Diameter – 4.7± 0.15mm

**Electrical Characteristics**

- Conductor DC Resistance – 15.2Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5600pf/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- Fluke DSX 8000 Channel Test ( Randomly test, not individually test)



P1		P2	
1		1	WHITE/ORANGE
2		2	ORANGE
3		3	WHITE/GREEN
6		6	GREEN
4		4	BLUE
5		5	WHITE/BLUE
7		7	WHITE/BROWN
8		8	BROWN
S		S	SHIELDED

COLOUR	LENGTH(mm)	TOLERANCE
Blue-RAL5015 Green-RAL6029 Grey-RAL7035 White-RAL9003 Red-RAL3031	200	±15mm
	300	±15mm
	500	±15mm
	750	±15mm
	1000	±20mm
	1500	±20mm
	2000	±30mm
	2500	±30mm
	3000	±30mm
	3500	±30mm
	4000	±30mm
4500	±30mm	
5000	±30mm	
7500	±60mm	
10000	±80mm	

ITEM NO:	SLIM CAT.6A F/UTP 28AWG Patch Cable			DRAWER	LY
TITLE				DATE	20181218
CUSTOMER				CHECKED	MTC
MATERIAL	SCALE			DATE	20181218
REV.	A	UNIT	MM	APPROVED	
DRAWING NO:	81218094			DATE	
ACAD FILE	E:\				

NO.	SPECIFICATION	Q'TY
3	RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE PLUG; NICKEL PLATED SHIELDED.	
2	MOLDED: TRANSPARENT ASSEMBLE BOOT .	
1	CABLE: CAT6A F/UTP 4P/28AWG(1/0.32BC)+D(7/0.12TC)+AL/Mylar OD=Ø4.7±0.15mm LSZH JACKET.	
<b>BOM LIST</b>		