

**Overview**  
 Bandwidth: 500MHz  
 OD: 6.0mm  
 Conductor: 24AWG  
 Approvals: RoHS  
 Connector: 50U' gold plated RJ45 connector

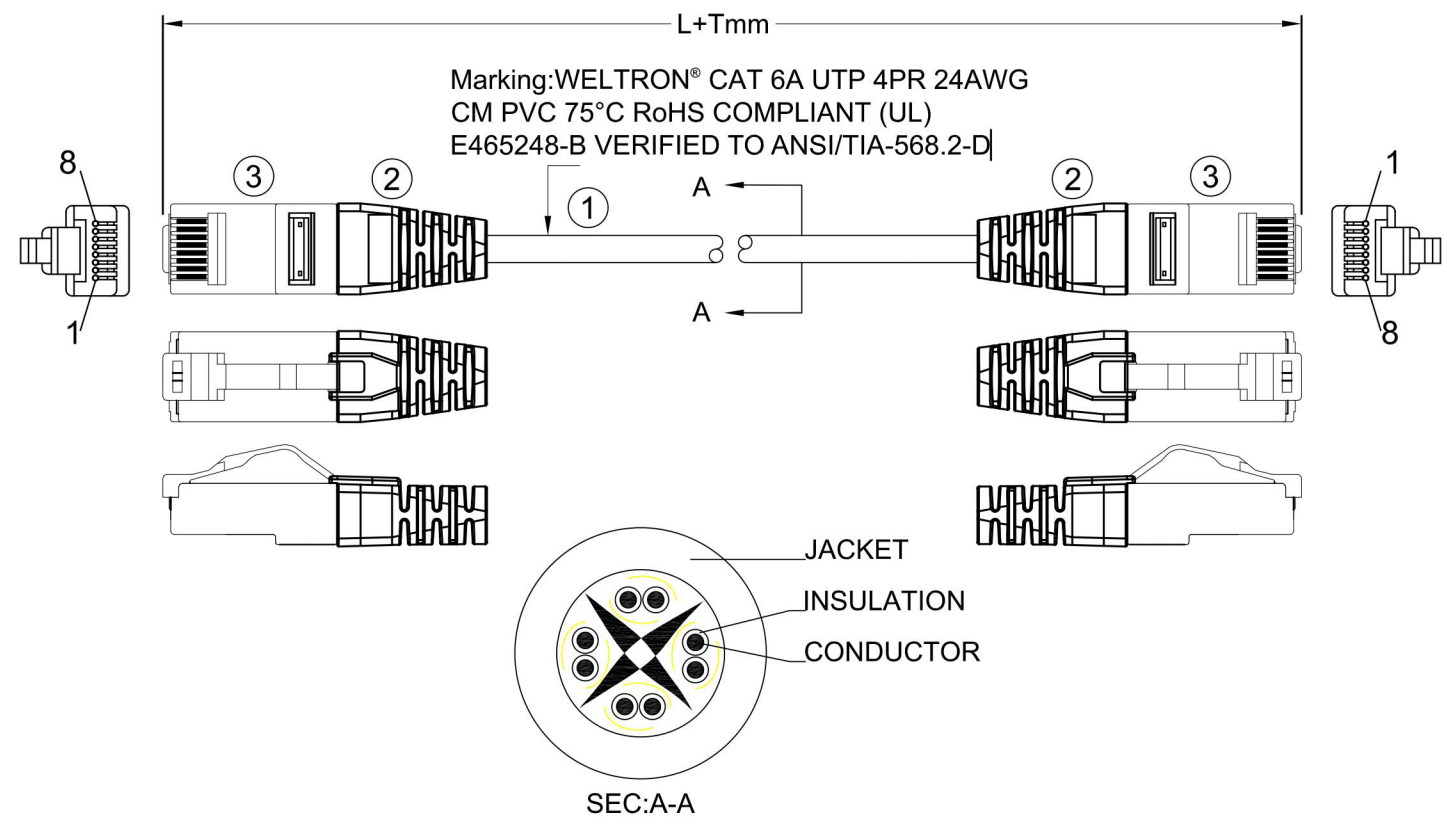
**Physical Characteristics**  
 •Cable Type – CAT6A UTP  
 •Connector Type(s) – RJ45  
 •Wiring Scheme – T568B  
 •Temperature Rating – -20°C to +75°C  
 •Voltage Rating – 30V

**Conductor (Qty. 4 twisted pair)**  
 • Conductor Type – 24AWG(7/0.18mm), Stranded BC  
 • Insulation – HDPE  
 • Diameter – 0.99±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 – 8P8C (RJ45)  
 • Gender – Male  
 • Connector Material – PC  
 • Contact Material – Copper Alloy, 50U' Gold Plating  
 • Hood Material – TRANSPARENT ASSEMBLE BOOT .

**Overall Cable**  
 • Jacket –CM PVC  
 • Minimum Average Thickness – 0.60mm  
 • Outer Diameter – 6.0 ± 0.20mm

**Electrical Characteristics**  
 • Conductor DC Resistance – 9.58Ω/100m (maximum)  
 • Impedance – 100Ω  
 • Capacitance – 5600pf/100m  
 • Propagation Delay – 545ns/100m (maximum)  
 • Delay Skew – 45ns/100m (maximum)  
 • PASS DSX 8000 Channel Test ( Randomly test)



P1	P2 T568B
1 ——— 1	WHITE/ORANGE
2 ——— 2	ORANGE
3 ——— 3	WHITE/GREEN
4 ——— 4	BLUE
5 ——— 5	WHITE/BLUE
6 ——— 6	GREEN
7 ——— 7	WHITE/BROWN
8 ——— 8	BROWN

ITEM NO:	90-C6AB-XX-YYY	DRAWER DATE	LCJ
TITLE	CAT.6A UTP Patch Cable with Clear Boot	CHECKED DATE	MTC
MATERIAL	SCALE	APPROVED DATE	
REV.	A	UNIT	MM
DRAWING NO:	6AU0P600718HB 120-91220103		
ACAD FILE	E:\		

3	RJ45 PLUG: 8P8C 50U' GOLD PLATED TWO-PIECE PLUG.	
2	MOLDED:TRANSPARENT ASSEMBLE BOOT .	
1	CABLE: CAT6A UTP 4P/24AWG(7/0.18BC±0.008) OD=Ø6.0±0.20MM CM PVC JACKET.	
NO.	SPECIFICATION	Q'TY
BOM LIST		

