

REVISION INFORMATION			
Rec.	Rec. Date	Modified By	Brief Description

Overview

Bandwidth: 250MHz
 OD: 3.6mm
 Conductor: 28AWG
 Approvals: RoHS
 Connector: 50U" Gold Plated RJ45 Connector

Physical Characteristics

- Cable Type – CAT6A UTP
- Connector Type(s) – RJ45
- Wiring Scheme – T568B
- Temperature Rating
 - Installation: 0°C~50°C
 - Operation: -20°C~60°C
- Voltage Rating – 30V

Conductor (Qty. 4 twisted pair)

- Conductor Type – 28AWG(7/0.12±0.008MM), Stranded BC
- 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)

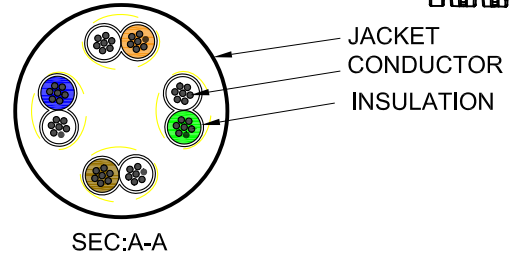
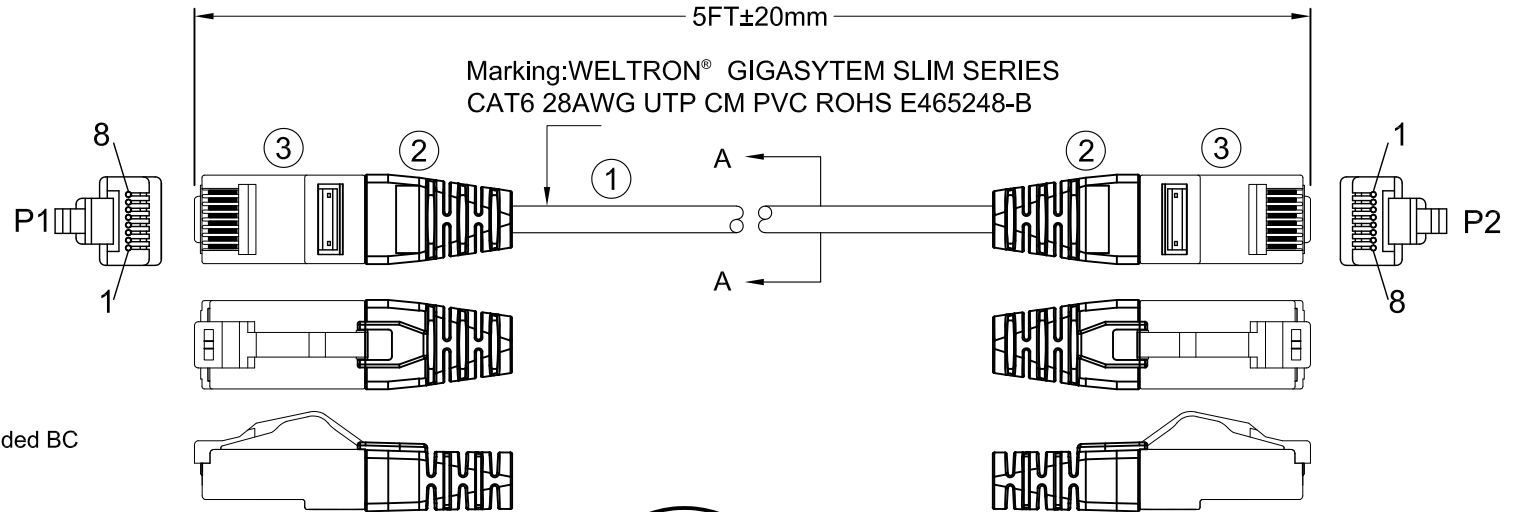
- Connector Type – 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, Gold Plating – 50µm
- Hood Material – TRANSPARENT ASSEMBLE

Overall Cable

- Jacket – CM PVC GREEN(RAL6029)
- Minimum Average Thickness – 0.40mm
- Outer Diameter – 3.6±0.20mm

Electrical Characteristics

- Conductor DC Resistance – 24.2Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5600pf/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- Pass Fluke DSX 8000 Channel 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

TOLERANCE:

LINEAT: X. =±1
.X =±0.2
.XX=±0.05

ANGULAR: X.° =±1°
.X° =±0°30'

FILLET: R2=RAD.2mm
R5=RAD.5mm
XR=MAX RAD.

CHAMFER: C0.5=CHAM0.5mm
C1=CHAM1mm

3	RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE PLUG.	
2	MOLDED: TRANSPARENT ASSEMBLE BOOT .	
1	CABLE: CAT6 U/UTP 4P/28AWG(7/0.12±0.008BC) OD=Ø3.6±0.20MM CM PVC JACKET.	
NO.	SPECIFICATION	Q'TY
BOM LIST		

ITEM NO:	Slim U/UTP CAT6 CM PVC 28AWG			DRAWER DATE	FW 20230526
TITLE				CHECKED DATE	AE 20230526
CUSTOMER				APPROVED DATE	
MATERIAL		SCALE			
REV.	A	UNIT	MM		
DRAWING NO:	0U0P360712HB				
ACAD FILE					

