

REVISION INFORMATION			
Rec.	Rec. Date	Modified By	Brief Description

Overview

Bandwidth: 250MHz
 OD: 6.3mm
 Conductor: 26AWG
 Approvals: RoHS
 Connector: 50U" Gold plated RJ45 connector

Physical Characteristics

- Cable Type – Cat6 U/FTP
- Connector Type(s) – RJ45
- Temperature Rating
 - Installation: 0°C~50°C
 - Operation: -20°C~60°C
- Voltage Rating – 30V

Conductor (Qty. 4 twisted pair)

- Conductor Type – 26AWG(7/0.16±0.008MM), Stranded BC
- Insulation – FMPE
- Diameter – 1.02±0.05mm
- Pair Identification:
 - Pair1=Orange, White
 - Pair2=Blue, White
 - Pair3=Green, White
 - Pair4=Brown, White

Connector 1 (Qty.1)

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

Connector 2 (Qty.1)

- Connector Type – USB-C 3.2 Gen.1
- Gender – Male
- Connector Material – Iron shell
- Contact Material – Gold Plating
- Hood Material – Aluminum case

Connector 3 (Qty.1)

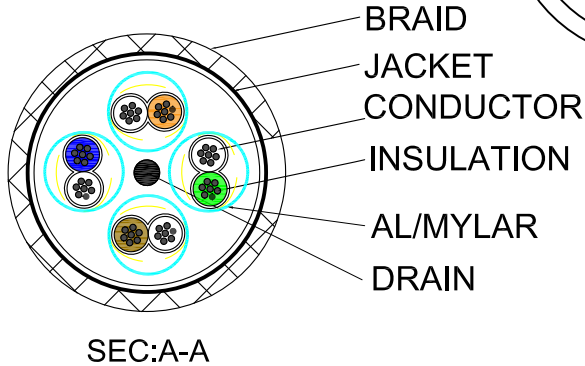
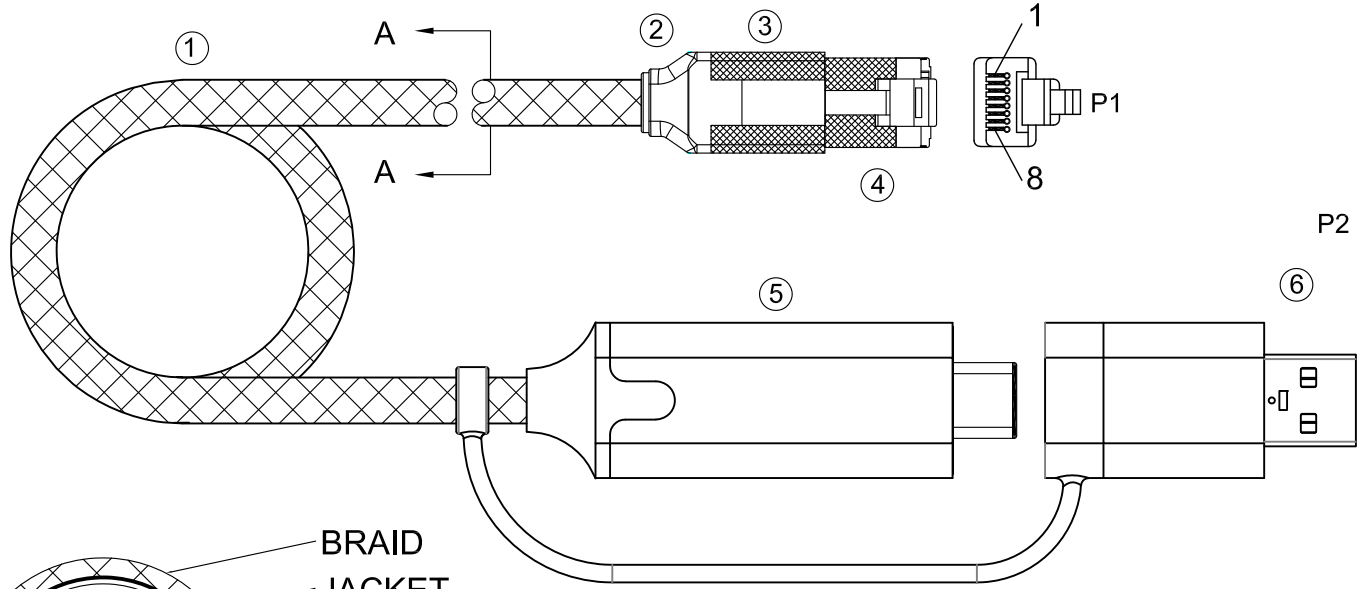
- Connector Type – USB-A 3.2 Gen.1
- Gender – Male
- Connector Material – Iron shell
- Contact Material – Gold Plating
- Hood Material – Aluminum case

Overall Cable

- Jacket – LSZH+Textile Braided
- Minimum Average Thickness – 0.75mm
- Outer Diameter – 6.3 ± 0.20mm

Electrical Characteristics

- Conductor DC Resistance – 28.45Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5600pf/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- 100% OPEN&SHORT TEST



TOLERANCE:

LINEAR: X. =±1
 .X =±0.5
 .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

TOLERANCE GENERALES					
LENGTH(M)	0<L<1	1≤L<2	2≤L<5	5≤L<10	L≥10
TOLERANCE	+35/-15mm	+35/-20mm	+35/-30mm	±50mm	±80mm

6	USB-A 3.2 Gen.1
5	USB-C 3.2 Gen.1
4	RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE PLUG; SHIELDED NICKEL PLATING.
3	METAL-ALLOY RJ45 CONNECTOR
2	MOLDED: PVC MOLDED BOOT .
1	CABLE: CAT6 U/FTP[26AWG(7/0.16±0.008BC)+AL/MYLAR]*4+D OD:Ø6.3±0.2MM LSZH JACKET WITH TEXTILE BRAIDED.
NO.	SPECIFICATION
	BOM LIST

