

Best.nr: 20116050-56

**Overview**

- Bandwidth: 500MHz
- OD: 3.6mm
- Conductor: 28AWG
- Approvals: RoHS
- Connector:Antibacterial 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 – 28AWG(7/0.12mm), Stranded BC
- Insulation – HDPE
- Diameter – 0.61±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 –Antibacterial Nylon
- Contact Material – Copper Alloy, 50U" Gold Plating
- Hood Material –Molded Antibacterial PVC

**Overall Cable**

- Jacket –Antibacterial PVC/LSZH
- Minimum Average Thickness – 0.60mm
- Outer Diameter – 3.6 ± 0.15mm

**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(5% TEST)

**Antibacterial Activity**

**Test Method:**

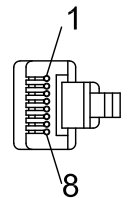
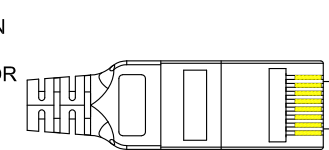
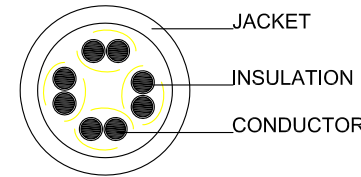
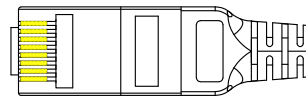
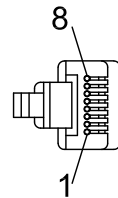
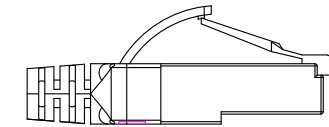
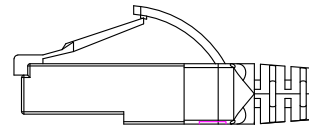
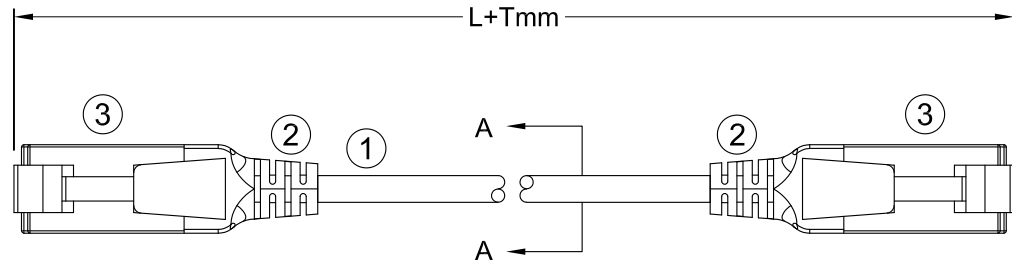
ISO 22196:2011 Measurement of antibacterial activity on plastics and other non-porous surfaces

**Test Organism:**

Escherichia coli ATCC 8738  
Staphylococcus aureus ATCC 6538P

**Antibacterial Activity Rate:**

Escherichia coli > 99.9%  
Staphylococcus aureus > 99.9%



P1	SEC:A-A	P2	T568B
1	Orange-White	1	WHITE/ORANGE
2	Orange	2	ORANGE
3	Green-White	3	WHITE/GREEN
4	Blue	4	BLUE
5	Blue-White	5	WHITE/BLUE
6	Green	6	GREEN
7	Brown-White	7	WHITE/BROWN
8	Brown	8	BROWN

3	RJ45 PLUG:ANTIBACTERIAL 8P8C 50U" GOLD PLATED TWO-PIECE NYLON PLUG.	
2	MOLDED:ANTIBACTERIAL PVC MOLDED BOOT.	
1	CABLE: CAT6A UTP 4P/28AWG(7/0.12±0.008BC) OD=Ø3.6±0.15MM ANTIBACTERIAL PVC/LSZH JACKET.	
NO.	SPECIFICATION	Q'TY
BOM LIST		

ITEM NO:	Antibacterial Cat.6A 28AWG U/UTP Slim Patch Cable	DRAWER DATE	LCJ 20200713
TITLE		CHECKED DATE	MTC 20200713

