

SF-UTP CAT 5E Patch PUR

**Caleb
Cable**

Caleb Cable Industrial Limited

Revision History

Part NO:	Price NO:
Prepared by: CXY	Date: 2015/8/5
Approved by:	Page: 1 of 1

Product Code: SF-UTP CAT 5E Patch PUR

Product Description

Application:

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)

IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

IEEE 802.3af-2002: POE; IEEE 802.3at: POE+

Reference Standard

ISO/IEC 11801: 2011; IEC61156-5:2009;

EN50173; EN50288; TIA-568-C.2:2009

Multi-construction

4 Pair

Cable Construction

1. Conductor	Bare Copper
Construction(mm)	0.16±0.008×7
Standard Dia.(mm)	0.48
2. Insulation	HDPE
Average Thickness	0.19
Insulation Dia.(mm)	0.92±0.05×2C Twist
Each pair is twist , unshielded	
3. Mylar Sprial	>=115%
4. Al-Pet shield	>=115%
5. Braiding	Tinned copper
Construction(mm)	T0.12±0.003×16×9
coverage	>=85%
6. Jacket	PUR
Average Thickness	0.65 (min. 0.5)
Dia.(mm)	6.2±0.2mm
Jacket Color	Acc. To customer

Insulation color are:

Blue, White/Blue

Orange, White/Orange

Green, White/Green

Brown, White/Brown

Marking

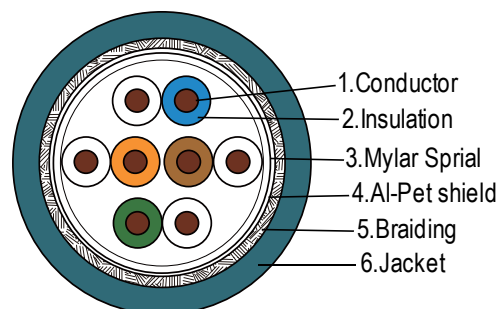
According to customer

Packaging

1000M/Wooden Drum

Label

Design



Electrical Characteristics

Performance

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	Return Loss (dB)
4.0	6.0	56.3	53.3	23.0
10.0	9.5	50.3	47.3	25.0
16.0	12.1	47.2	44.2	25.0
31.3	17.1	42.9	39.9	23.6
62.5	24.8	38.4	35.4	21.5
100.0	32.0	35.3	32.3	20.1

Max. Conductor DC Resistance at 20°C	290 Ω/km
Ambient Temperature(Operation)	- 20 to 80 °C
Impedance(Ω) +	100MHz 100±15
Insulation resistance at 20°C(MΩ*Km)	>=500
Capacitance	48 nF (At 1 kHz)
Test voltage Core/Core (50 Hz, 1 min.)	700 V
Test voltage Core/Shield (50 Hz, 1 min.)	700 V
Flame resistance	IEC60332-1-2
Oil resistance	EN60811-2-1
Smallest bending radius (fixed and movable)	51.2mm
Halegon Free	IEC60754-1

