

UTP Cat 6 SWA LSZH



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: UTP Cat 6 SWA LSZH

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; ANSI/TIA-568-C.2
 EN50173; EN50288

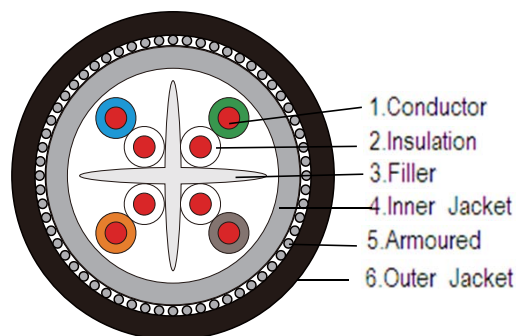
Multi-construction

4 Pair

Cable Construction

1. Conductor	Bare Copper
Conductor Dia.(mm)	0.52±0.01
2. Insulation	HDPE
Insulation Dia.(mm)	0.93±0.08
3.Filler	Cross Member
4.Inner Jacket	LSZH
Dia.(mm)	6.50±0.20
Jacket Color	Black
5.Armoured	Galvanised steel wire
Construction	0.50×41±2
6.Outer Jacket	LSZH
Dia.(mm)	9.60±0.20
Jacket Color	Black
Color	
Insulation color are:	
Blue, White/Blue	Orange, White/Orange
Green, White/Green	Brown, White/Brown
Marking On Outer jacket	
According to customer	
Packaging	
500M/Drum	
Label	

Design



Electrical Characteristics

Performance

Frequency (MHz)	ATTENUATION (dB/100m)	NEXT (dB)	PSNEXT (dB)	RETURN LOSS (dB)
4.0	3.8	66.3	63.3	23.0
10.0	6.0	60.3	57.3	25.0
16.0	7.6	57.2	54.2	25.0
20.0	8.5	55.8	52.8	25.0
31.3	10.7	52.9	49.9	23.6
62.5	15.5	48.4	45.4	21.5
100.0	19.9	45.3	42.3	20.1
155.5	25.3	42.4	39.4	18.8
175.0	27.1	41.7	38.7	18.4
200.0	29.1	40.8	37.8	18.0
250.0	33.0	39.3	36.3	17.3

Frequency (MHz)	ELFEXT (dB/100m)	PS ELFEXT (dB/100m)
4.0	56.0	53.0
10.0	48.0	45.0
16.0	43.9	40.9
20.0	42.0	39.0
31.3	38.1	35.1
62.5	32.1	29.1
100.0	28.0	25.0
155.5	24.2	21.2
175.0	23.1	20.1
200.0	22.0	19.0
250.0	20.0	17.0

Max. Conductor DC Resistance at 20°C (Ω/Km)	<97.6
Rated Temperature(°C)	60
Velocity ratio	70%
Impedance(Ω)	1-100MHz: 100±15 100-250MHz: 100±20
Fire Performance: IEC60332-3C	
Smoke Density: IEC61034	
Halogen Free: IEC60754	

