

S-FTP Cat 6A 4 x 4 Pairs 23AWG



Caleb Cable Industrial Limited

Revision History

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

Product Code: S-FTP Cat 6A 4 x 4 Pairs 23AWG

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

IEC61156-6; TIA 568-C.2;
 EN50288; ISO/IEC 11801:2011

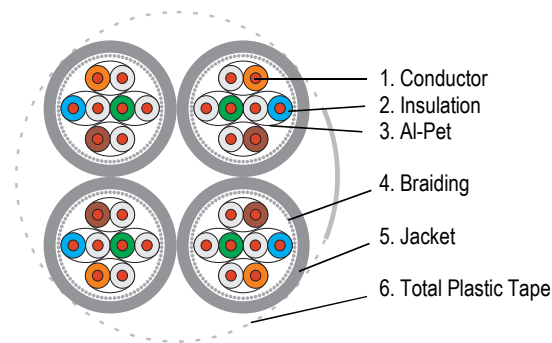
Multi-construction

4 Pair x 4

Cable Construction

1. Conductor	Bare Copper	
Construction	0.56±0.01	
2. Insulation	Skin-Foam-Skin	
Insulation Dia.(mm)	1.32±0.10×2C Twist	
Each Pair is Twisted ,		
3. Al-Pet shield(on each pair, Al-side out)	≥115%	
4. Braiding Shield	Tinned Copper	
Construction(mm)	T0.10±0.01×8×6	
Coverage(%)	25±5%	
5. Jacket	LSZH	
Dia.(mm)	7.40(+/-0.3mm)	
Jacket Color	According to customer	
Marking (interval:40mm)		
First	1-ONE	
second	2-TWO	
.....	
fourth	4-FOUR	
6. Total Platic Tape Spiral		
7. Average OD for Bundled Cables(for packing reference only)		
	17.50mm	
Color		
Insulation color are:	Blue, White	Orange, White
	Green, White	Brown, White
Packaging		
500M/Drum		
Drum size(cm):Φ98×36×Φ40		
3 Drum/Pallet Pallet size: 114cm x 104cm		
1×40' Container=120R x 500m=60KM		
Label		

Design



Electrical Characteristics

Performance for single cable

Frequency (MHz)	Attenuation (dB/80m)	Next (dB)	PSNEXT (dB)	Return Loss (dB)
4.00	3.80	66.30	63.30	23.00
10.00	5.90	60.30	57.30	25.00
16.00	7.50	57.20	54.20	25.00
31.25	10.50	52.90	49.90	23.60
62.50	15.00	48.40	45.40	21.50
100.00	19.10	45.30	42.30	20.10
250.00	31.10	39.30	36.30	17.30
500.00	45.30	34.80	31.80	17.30

Frequency (MHz)	ELFEXT (dB/80m)	PSELFEXT (dB/80m)
4.00	56.00	53.00
10.00	48.00	45.00
16.00	43.90	40.90
31.25	38.10	35.10
62.50	32.10	29.10
100.00	28.00	25.00
250.00	20.00	17.00
500.00	14.00	11.00

Note: The inspection will be according to TIA Cat 6a Perm. Link & ISO11801 PL2 Class Ea of Fluke at 80m

Max. Conductor DC Resistance at 20°C (Ω/Km)	<88.2
Rated Temperature(°C)	60
Velocity ratio	76%
Impedance(Ω)	1-100MHz 100±10 100-250MHz 100±15 250-500MHz 100±25

Fire Performance: IEC60332-1
 Smoke Density: IEC61034
 Halogen Free: IEC60754

