

S-FTP Cat 6A 6 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 6 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 6

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	
First	1-ONE
second	2-TWO
.....
sixth	6-SIX
6. Filler	Rope/7.4 FPE Strip
7. Total Plastic Tape Spiral	
8. Average OD for Bundled Cables(for packing reference only)	22.00mm

Color

Insulation color are:

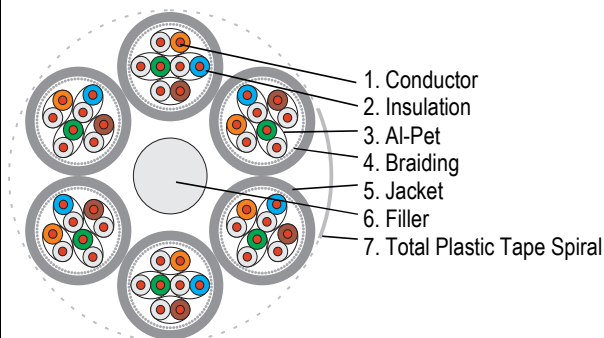
Blue, White	Orange, White
Green, White	Brown, White

Packaging

500M/Drum
 Drum size(cm): φ98×55×φ40
 2 Drum/Pallet Pallet size: 114cm x 104cm
 1×40' Container=80R x 500M = 40KM

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

