

S-FTP Cat 6A 4 x 4 Pairs 26 AWG

Caleb Cable

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 26 AWG

Product Description

Application:

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
 EEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T; 10GBase-T
 IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Reference Standard

ISO/IEC 11801: 2011; IEC61156-5:2009;
 EN50173; EN50288

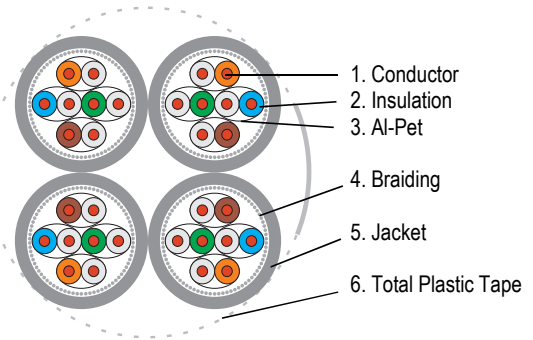
Multi-construction

4 Pair x 4

Cable Construction

1. Conductor	Bare Copper
Construction	0.40±0.01
2. Insulation	Skin-Foam PE-Skin
Insulation Dia.(mm)	1.0±0.10×2C Twist
Each Pair is Twisted	
3. Al-Pet shield(on each pair)	≥115%
4. Braiding Shield	Tinned Copper
Construction(mm)	T0.10±0.01×16×4
Coverage(%)	40±5%
5. Jacket	LSZH
Dia.(mm)	6.0±0.20mm ×4
Jacket Color	According to customer
Marking (interval:40mm)	
First	1-ONE
second	2-TWO
.....
fourth	4-FOUR
6. Total Plastic Tape Spiral	
Color	
Insulation color are:	
Blue, White	Orange, White
Green, White	Brown, White
Packaging	
500M/Drum	
Label	

Design



Electrical Characteristics

Performance for single cable

Frequency (MHz)	Attenuation (dB/55m)	Next (dB)	PS NEXT (dB)	RL (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/55m)	PEELFEXT (dB/55m)
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 55m

Max. Conductor DC Resistance at 20°C (Ω/Km)	<163	
Rated Temperature(°C)	60	
Velocity ratio	78%	
Impedance(Ω)	1-100MHz	100±10
	100-250MHz	100±15
	250-500MHz	100±25

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

