

# 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

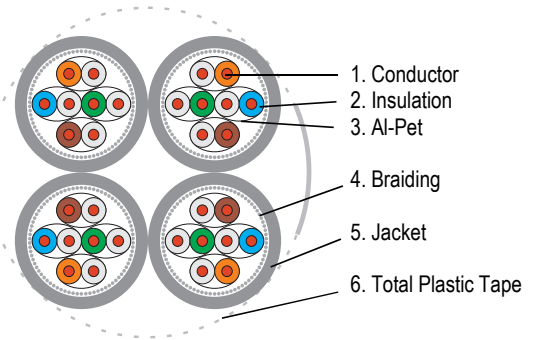
### Multi-construction

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
<b>Marking (interval:40mm)</b>	
First	1-ONE
second	2-TWO
.....	.....
fourth	4-FOUR
<b>6. Total Plastic Tape Spiral</b>	
<b>Color</b>	
Insulation color are:	
Blue, White	Orange, White
Green, White	Brown, White
<b>Packaging</b>	
500M/Drum	
<b>Label</b>	

## 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
	100-250MHz
	250-500MHz
	100±10
	100±15
	100±25

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

