

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

**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 6 x 4 Pairs 26AWG

### 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

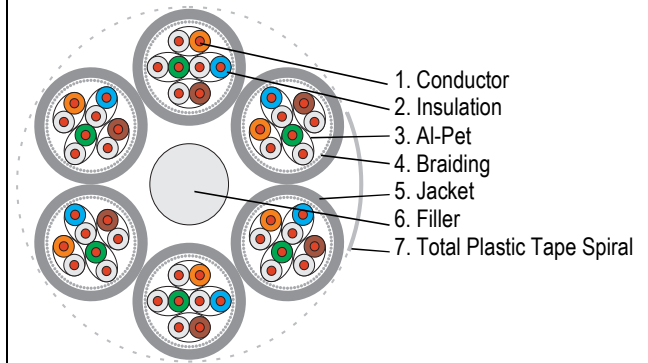
**Multi-construction**

4 Pair x 6

### 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 ×6	
Jacket Color	According to customer	
Marking (interval:40mm)		
First	1-ONE	
second	2-TWO	
.....	.....	
sixth	6-SIX	
6. Filler	Rope/6.0FPE Strip	
7. 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

