

# S-FTP Cat 6A 26AWG LSZH

**Caleb  
Cable**

**Caleb Cable Industrial Limited**

## Revision History

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

**Product Code:** S-FTP Cat 6A 26AWG LSZH

## 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

### Reference Standard

ISO/IEC 11801: 2011; IEC61156-5:2009; ANSI/TIA-568-C.2  
EN50173; EN50288

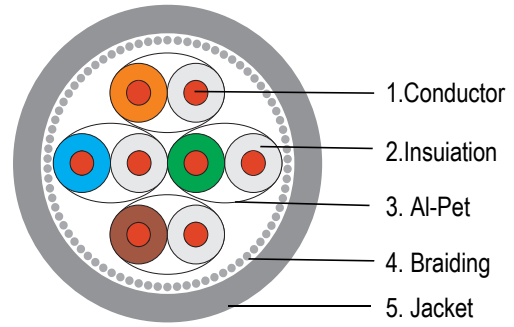
### Multi-construction

4 Pair

## Cable Construction

1.Conductor	Bare Copper
Construction (mm)	0.40±0.01
2.Insulation	Skin-Foam PE-Skin
Insulation Dia.(mm)	1.0±0.08×2C Twist
3. Al-Pet Shield (on each pair)	≥115%
4. Braiding Shield	Tinned Copper
Construction (mm)	T0.10±0.008×16×4
Coverage	40±5%
5.Jacket	LSZH
Dia.(±0.25mm)	6.00±0.20
Jacket Color	According to customer.
Color	
Insulation color are:	
Blue, White	Orange, White
Green, White	Brown, White
Marking	
According to customer.	
Packaging	
500M/Drum	
Label	

## Design



## Electrical Characteristics

### Performance

Frequency (MHz)	Attenuation (dB/60m)	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/60m)	PSELFEXT (dB/60m)
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 & IS011801 PL2 Class Ea of Fluke at 60m

Max.Conductor DC Resistance at 20°C (Ω/Km)	<158.2
Rated Temperature(°C)	60
Velocity ratio	78%
Impedance(Ω)	1-100MHz 100±15
	100-250MHz 100±20
	250-500MHz 100±25

Fire Performance: IEC60332-1

Smoke Density: IEC61034

Halogen Free: IEC60754



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