



## COPPER STRUCTURED CABLING

# CAT6A

# S/FTP

### PRODUCT SPECIFICATIONS

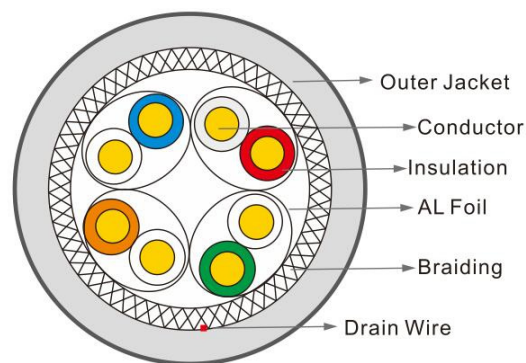
Linxcom Shielded and Foiled Twisted Pair (S/FTP) Category 6A LAN cable is 23 AWG.

Our Cables are verified and third-party organizations and comply with ISO 11801.

All our jackets can be customized upon request.

### APPLICATIONS

- Horizontal wiring in LAN
- Gigabit Ethernet
- Multimedia Video, Voice and Data
- 10 GBs



### FEATURES

- 4 Pair Twisted Cable
- Ultra-Smooth Jacket
- PE Suitable for outdoor use

### BENEFITS

- Broadband/ Ethernet
- Brightly coloured Twisted Pairs
- Meet 6A requirements

### JACKET SPECIFICATIONS

<b>Material</b>	PE/ PVC/ LSZH
<b>Colour</b>	As Per Request
<b>Thickness</b>	≥0.5mm
<b>Outer diameter</b>	8±0.5mm
<b>Rip Cord</b>	Optional
<b>Elongation Ratio</b>	≥15%
<b>Bending Radius</b>	≥10x Outer Diameter

### ENVIRONMENTAL SPECIFICATIONS

<b>Operation (°C)</b>	-20~+60
<b>Installation (°C)</b>	-20~+60

### CONSTRUCTION SPECIFICATIONS

<b>Configuration</b>	Solid Bare Copper
<b>American Wire Gauge</b>	0.57±0.005mm /23AWG
<b>Insulation</b>	Skin Foam PE
<b>Drain Wire</b>	Tinned Copper
<b>Braiding</b>	Tinned Copper
<b>Linear Resistance</b>	≤9.5Ω/100m
<b>Characteristic Impedance</b>	100±15Ω(1-250MHz) 100±20Ω(250-500MHz)

### COLOURING

Pair 1	Pair 2	Pair 3	Pair 4
Blue, Blue/White	Orange, Orange/White	Green, Green/White	Brown, Brown/White

### ORDERING INFORMATION

Part Number	Construction	Category	Jacket	Length
SFTP6APVCXXX	S/FTP (Shielded and Foiled Twisted Pair)	6A	PE PVC LSZH	305m Box 500m Reel



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### ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)
4	23	3.7	78
8	24.5	5.2	78
10	25	5.9	78
16	25	7.4	78
20	25	8.3	78
25	24.3	9.3	78
31.25	23.6	10.4	78
62.5	21.5	14.9	75.5
100	20.1	19	72.4
200	18.0	27.5	67.9
250	17.3	31	66.4
300	17.3	34.2	65.2
400	17.3	40	63.4
500	17.3	45.3	61.9
600	17.3	50.1	60.7

### ELECTRICAL CHARACTERISTICS

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
4	75	78	75
8	75	77.2	74.2
10	75	75.3	72.3
16	75	71.2	68.2
20	75	69.3	66.3
25	75	67.3	64.3
31.25	75	65.4	62.4
62.5	72.5	59.4	56.4
100	69.4	55.3	52.3
200	64.9	49.3	46.3
250	63.4	47.3	44.3
300	62.2	45.8	42.8
400	60.4	43.3	40.3
500	58.9	41.3	38.3
600	57.7	39.7	36.7