



COPPER STRUCTURED CABLING

CAT7

S/FTP- PREMIUM

PRODUCT SPECIFICATIONS

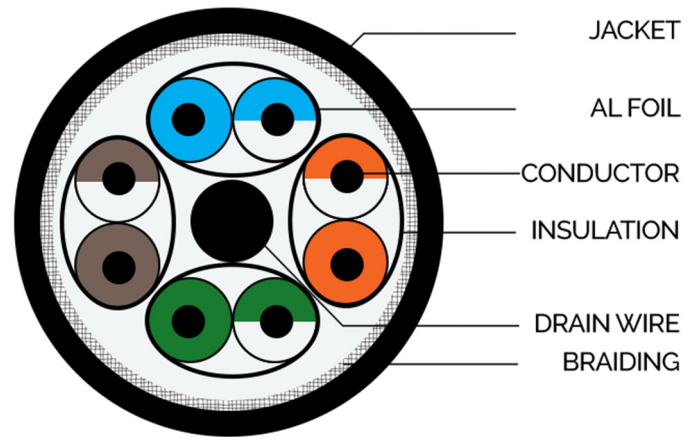
Linxcom Shielded and Foiled Twisted Pair (S/FTP) Category 7 LAN cable is 23 AWG.

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



FEATURES

- 4 Pair Twisted Cable
- Ultra-Smooth Jacket

BENEFITS

- Broadband/ Ethernet
- Brightly coloured Twisted Pairs
- Meet 7 requirements

JACKET SPECIFICATIONS

Material	LSZH
Colour	As Per Request
Thickness	≥0.5mm
Outer diameter	8.0±0.5mm
Rip Cord	Optional
Tensile Strength	≥10.0MPa
Aging Elongation	≥125%
Bending Radius	≥10x Outer Diameter

ENVIRONMENTAL SPECIFICATIONS

Operation (°C)	-20~+60
Installation (°C)	-20~+60

CONSTRUCTION SPECIFICATIONS

Configuration	Solid Bare Copper
American Wire Gauge	0.57±0.005mm /23WG
Insulation	Skin Foam PE
Insulation Diameter	1.35±0.02mm
AL Foil	10x0.04mm
Drain Wire	1x0.4 Tinned Copper
Linear Resistance	≤9.5Ω/100m
Insulation Resistance	≥5000MΩ/km
Characteristic Impedance	100±15Ω(1-250MHz)
Dielectric Strength	DC 1kV 1min no break

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
SFTP7LSZHXXX	S/FTP (Shielded and Foiled Twisted Pair)	7	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