



## Copper Structured Cabling

# Category 6<sub>A</sub> U/FTP LAN Cable



Linxcom Unshielded Foiled Twisted Pair (U/FTP) Category 6<sub>A</sub> (CAT6-Augmented) LAN cable is a 23 American Wire Gauge (AWG) used ideally for Gigabit Ethernet, Multimedia, video, voice and data.

Our cables are verified by EC and third party organization and comply with ISO11801. All outer jackets can be PVC or LSZH upon customers' requests.

### Features & Benefits

- UL & 3P Certified
- 4 pairs twisted pair cable
- Application: Broadband Video, Gigabit Ethernet, Fast Ethernet
- All cables meet or exceed the requirement proposed by TIA/EIA 568 B.2, ISO/IEC 11801 Category 6<sub>A</sub>
- 23AWG insulated copper conducts with PVC jacket
- Twisted pairs are brightly coloured and distinguished at a glance
- the cross frameworks are stripped to match corresponding colour pairs
- Ultra smooth jacket makes this cable easy to pull in tight spaces

### Application

- Horizontal wiring in Local Area Networks (LAN)

### Colouring

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

### Construction

Conductor	Solid Bare Copper
American Wire Gauge (AWG)	23
Insulation	FMPE
Average Thickness (mm)	0.4
Minimum Point Thickness (mm)	0.27
Insulation Diameter (±0.05mm)	1.37
Twisted	2C
Aluminium Foil (Each Pair)	YES
Drain wire	Tinned Copper
Jacket	LSZH
Average Thickness (±0.05mm)	0.52
Minimum Point Thickness (mm)	0.46
Outer Diameter (±0.2mm)	7.2
Rip Cord	YES



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Frequency (MHz)	Attenuation (dB)	NEXT (dB/100m)	PSNEXT (dB)	Return Loss (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	2.0	74.0	72.3	20	68.0	65.0
4	3.8	65.0	63.3	23	56.0	53.0
10	5.9	59.0	57.3	25	48.0	45.0
16	7.5	56.0	54.2	25	43.9	40.9
20	8.4	55.0	52.8	25	42.0	39.0
31.25	10.6	52.0	49.9	23.6	38.1	35.1
62.5	15.4	47.0	45.4	21.5	32.1	29.1
100	19.8	44.0	42.3	20.1	28.0	25.0
200	29.0	40.0	37.8	18	22.0	19.0
250	32.8	38.3	36.3	17.3	20.0	17.0
300	36.4	37.1	34.1	17.3	18.5	15.5
500	48.9	33.8	30.8	17.3	14.0	11.0

1.0-300.0MHz Impedance (ohms)	100 ± 15
300.0-500.0 Impedance (ohms)	100 ± 22
Max. Conductor DC Resistance at 20°C (ohms/Km)	93.8

### Ordering Information

Using the available configurations amend/create a part number using the formula below.

Construction		Jacket	
UFTP (U/FTP)	UFTP	PVC	PVC
		LSZH	LSZH
UFTP	6A	LSZH	500
Category	Length		
Category 6 <sub>A</sub> (CAT6 <sub>A</sub> )	6A	305m Box	305
		500m Reel	500

Example: **UFTP6ALSZH500** – Category 6<sub>A</sub> Unshielded Foiled Twisted Pair LAN Cable LSZH Jacket – 500m Reel

For any queries, please contact the Linxcom team using the details below.