



COPPER STRUCTURED CABLING

CAT6A

F/FTP- PREMIUM

PRODUCT SPECIFICATIONS

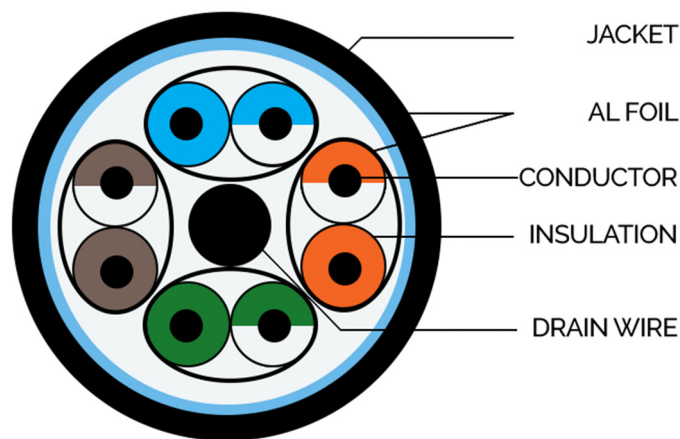
Linxcom Foil Shield Foiled Twisted Pairs (F/FTP) Category 6A LAN cable is 23 AWG.

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
- 10GBps



FEATURES

- 4 Pair Twisted Cable
- Ultra-Smooth Jacket
- Drain Wire & Cross Section

BENEFITS

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

JACKET SPECIFICATIONS

| | |
|------------------|---------------------|
| Material | PE/PVC/LSZH |
| Colour | As Per Request |
| Thickness | ≥0.5mm |
| Outer diameter | 7.5±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 |

ORDERING INFORMATION

| Part Number | Construction | Category | Jacket | Length |
|---------------|-----------------------------------------|----------|-------------------|-----------------------|
| FFTP6ALSZHXXX | F/FTP (Foil Shield Foiled Twisted Pair) | 6A | PE PVC LSZH | 305m Box 500m Reel |

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 | 26x0.065mm |
| 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 |



COPPER STRUCTURED CABLING

CAT6A

F/FTP- PREMIUM

ELECTRICAL CHARACTERISTICS

| Frequency (MHz) | Return Loss (dB) | Attenuation (dB/100m) | NEXT (dB) |
|-----------------|------------------|-----------------------|-----------|
| 1 | 20 | 2.0 | 74.3 |
| 4 | 23 | 3.8 | 66.3 |
| 8 | 24.5 | 5.3 | 61.8 |
| 10 | 25 | 5.9 | 60.3 |
| 16 | 25 | 7.5 | 57.2 |
| 20 | 25 | 8.4 | 55.8 |
| 25 | 24.3 | 9.4 | 54.3 |
| 31.25 | 23.6 | 10.5 | 52.9 |
| 62.5 | 21.5 | 15 | 48.4 |
| 100 | 20.1 | 19.1 | 45.3 |
| 200 | 18.0 | 27.6 | 40.8 |
| 250 | 17.3 | 31.1 | 39.3 |
| 300 | 17.3 | 34.3 | 38.1 |
| 400 | 17.3 | 40.1 | 36.3 |
| 500 | 17.3 | 45.3 | 34.8 |

ELECTRICAL CHARACTERISTICS

| Frequency (MHz) | PSNEXT (dB) | ELFEXT (dB/100m) | PSELFEXT (dB/100m) |
|-----------------|-------------|------------------|--------------------|
| 1 | 72.3 | 67.8 | 64.8 |
| 4 | 63.3 | 56 | 53 |
| 8 | 58.8 | 49.9 | 46.9 |
| 10 | 57.3 | 48 | 45 |
| 16 | 54.2 | 43.9 | 40.9 |
| 20 | 52.8 | 42 | 39 |
| 25 | 51.3 | 40 | 37 |
| 31.25 | 49.9 | 38.1 | 35.1 |
| 62.5 | 45.4 | 32.1 | 29.1 |
| 100 | 42.3 | 28 | 25 |
| 200 | 37.8 | 22 | 19 |
| 250 | 36.3 | 20 | 17 |
| 300 | 35.1 | 18.5 | 15.5 |
| 400 | 33.3 | 16 | 13 |
| 500 | 31.8 | 14 | 11 |