



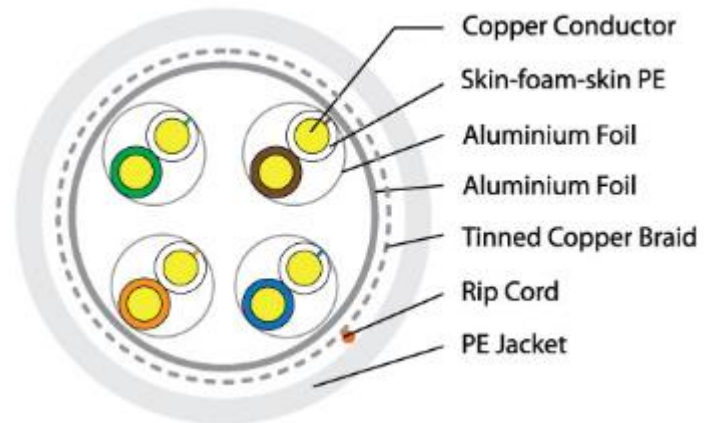
Category 6

23-AWG S/FTP

Our CAT6 600MHZ Shielded (S/FTP) High performance data communications cable Has voice, data, video and security capabilities. Cat6 600Mhz Bulk Cable is ideal for your network installation. Whether you are wiring your home, office or entire campus. CAT6 shielded (S/FTP) CM cable supports all CAT6 applications. This cable is designed for indoor CM installations. It has 4 pairs of 23AWG solid bare Copper conductors with an Aluminum Foil Shielding over each pair and a Tinned Copper Braiding with a PVC Jacket. M2P Cable's Cat6 CM shielded cable is quality manufactured to meet and exceed product certifications and standards ANSI/TIA 568-B.2-1, ISO/IEC.

Cable Construction

Conductors:	23 AWG Solid Bare Copper
Insulation:	PE Tape
Color Coding:	Tight Lay System
Pairing:	Short, Staggered Pair Lays
Jacket:	PVC



Compliances

- EIA
- TIA 568 B.2-1
- UL
- CSA
- ISO
- IEC 11801
- UL/cUL
- ETL

Technical Information

- PoE compliance: Meets IEEE 802.3af and IEEE 802.3at for PoE applications
- Installation tension: 110 N (25 lbf) maximum
- Temperature rating: 0°C to 50°C (32°F to 122°F) during installation
- -20°C to 75°C (-4°F to 167°F) during operation
- Cable jacket: LSZH - Low Smoke Zero Halogen
- Cable diameter: 6.7mm ± 0.2mm
- Cable weight: 15 kg/305m (33.0 lbs./1000 ft.)
- Packaging: 305m (1000 ft.) reel
- Package tested to ISTA Procedure 1A



Electrical Characteristics

- Impedance $100\Omega \pm 35$
- Capacitance Unbalance ≤ 330 (pF/100m)
- Delay Skew ≤ 45 (ns/100m)
- Rated Temperature 70°C
- Resistance Unbalance ≤ 5 (ns/100m)
- Max DC Resistance $95(\Omega/\text{km})$
- Rated Voltage 300V

Performance

Certified channel performance in a 4-connector configuration up to 100 meters and meets and exceeds the requirements of ISO 11801 Class E and ANSI/TIA-568-C.2 Category 6 standards at swept frequencies up to 250 MHz. Certified component performance up to 100 meters and exceeds the component requirement of IEC 61156-5 Category 6 and ANSI/TIA-568-C.2 Category 6 component standards at swept frequencies up to 250 MHz.

Features

- More flexible separator, optimum pair-to-pair & powersum crosstalk
- Matched impedance and maximum throughput
- Ease of handling
- Smaller, more compact package
- Decreased installation time

Applications

Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 10000BASE-T (10 Gigabit Ethernet over limited distances as specified in the industry 10GBASE-T standards)

Ordering Information

- Product Number: M6F-23BL/305
- No. of Pairs 4
- Diameter: $6.7\text{mm} \pm 0.2\text{mm}$
- Jacketcolor: As specified
- Packaging: 1,000 feet Reel