

23AWG CAT6 S/FTP SERIES

TMT Global cat6 23awg 4 twisted pair S-FTP Network Cable 305m are Manufactured Tested and Complied with IEC 60332-1-2 EN 50173-1:2011 ISO/IEC11801:2011(Ed. 2.2) ANSI/TIA/EIA-568.2-D IEC61935-2:2010(Ed.3.0) EN 50173-2:2007 including Amendment A1:2010 Requirements for Patch Cord Assemblies and Provide High Performance levels for structured cabling systems.

General Specification:

4 Pairs UnShielded Twisted Pair (SFTP) Cable

Gold Plated: 30U"

Color Code: Aqua/Black/Blue/green/Grey/Orange/Red/Violet/White/Yellow r custom color

Length : 0.12/0.15/0.50/1/2/3/5/8/10/15/20/25/30/40/50/70/100/meter r custom Length

Contact blade: Phosphor Bronze

Insulation Material: HD-PE-PVC-LSZH

Jacket Material: PVC UL94V-0

APPLICATION

10BASE-T, 100BASE-TX Fast Ethernet,

1000BASE-T (IEEE802.3

100VG-AnyLAN (IEEE802.12)

550 MHz Broadband Video

Voice, T1, ISDN

155/ 622 Mbps ATM

Power over Ethernet (POE)

PHYSICAL AND MECHANICAL PROPERTIES

Conductor Resistance: $\leq 5\Omega - \leq 20\Omega$

Insulation Resistance: $\geq 10M\Omega$

Characteristic Impedance: 100 — 6 Ohm @ 1-250MHz -1-500 MHz

Contact Resistance: 20 m Ohm max

Resistance Unbalance: 2% max

Dielectric strength: 1000 volts/1 minute min rms

Cable to Plug Tensile Strength: 9 Kgf (90N) min

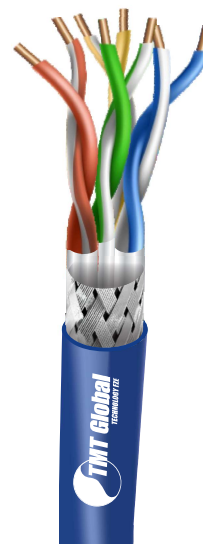
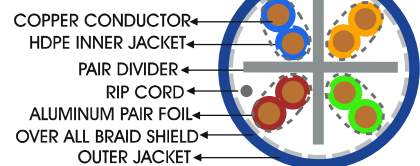
Durability: 750

Temperature Operating Range: -25°C to 70°C

Country Of Origin: Made in UAE

By Fahad Cables Industry FZE

CAT6 S/FTP SERIES



Middle East Office

TMT GLOBAL TECHNOLOGY

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| PHYSICAL AND MECHANICAL PROPERTIES | |
|------------------------------------|--|
| Basic Conductor | TMT copper |
| Conductor Size | 23AWG |
| Insulation | HDPE |
| Number of insulated conductors | 8, twisted in 4 pairs |
| Color Code of Pairs | Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown |
| Individual pair shield | Laminated aluminum foil (foil face outward) providing 100% coverage. |
| Drain wire | tin-coated annealed copper |
| Overall shield | Polyester-aluminum tape providing 100% coverage. |
| Outer Jacket | LSZH Halogen free flame retardant or PVC compound |
| Standard Jacket Color | Black, Blue, Gray, Green, Orange, Red, Violet, White, Yellow, Aqua |
| Standard Surface Marking | Includes TMT Global P/N, cable description, Meter mark and Model Number |
| Pulling force | 100 N max. |
| Short Term Bend Radius | 9xOD (mm) |
| Storage Temperature | -20 to +80C |
| Temperature operating range | -20 to +60C |
| Flame Test | IEC 60332-1 |

| ELECTRICAL SPECIFICATIONS | | | |
|---------------------------------|---|-------------------------------|---|
| Characteristic Impedance | 100±6 Ohm @ 1-250 MHz | Dielectric strength | 1500 Volts/1 minute min rms |
| DC Resistance | 93 Ohm/Km max. | Velocity of Propagation (NVP) | 74-78% |
| Resistance unbalance | 2% max. | Propagation Delay | 534 + 36/vf. nS/100m max @ 1-300 MHz |
| Mutual Capacitance | 5.6 nF/100m Max. @ 1 KHz | Propagation Delay Skew | 45 nS/100m max @ 1-300 MHz |
| Cap. Unbalance (wire to ground) | 1500 pF/m max. @ 1 KHz. | Insulation Resistance | 5000 MegaOhm•Km min. @ 500 Vdc |
| Voltage rating | 72 Vdc max. | Coupling attenuation | 85 dB min @ 30-100 MHz 85-20Log(f/100) @100-250 MHz |
| Transfer Impedance | 10 mOhm/m max @ 1-10 MHz 30 mOhm/m max @ 30 MHz | | |

| Ordering Information | | |
|----------------------|-----------|--|
| Model No | Item Code | Description |
| TMT-4050 | 6X536MLB | 23AWG 4PAIR CAT6 S/FTP CABLE LSZH 305M |

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