



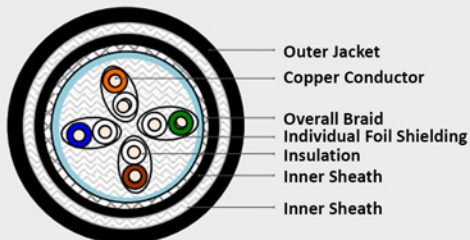
CAT 6 S/FTP

STEEL TAPE ARMORED EXTERNAL CABLE PVC/PE

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Garantir Category 6 S/FTP armoured cables exceed Category 6 /Class E specification. It is tested to 250MHz frequency range and designed to support 1000Base-T and 1000Base-Tx applications to full 100m. Extremely high pair-balance providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation, maximizing noise immunity and providing high alien cross talk performance to S/FTP (Shielded Twisted Pair) cabling systems. Cat 6 S/FTP armoured Cable Consists of PE Insulated 23AWG Solid Bare Annealed Copper Conductors, twisted 4 pair stranded, ECCS tape Armour, PVC Inner sheath and PE (UV Stabilized) Outer sheath.



COMPLIANCE

IEEE 802.3an :2006 (10GBASE-T)
ANSI/TIA 568.2-D
ISO/IEC-11801, 2nd Edition Class E
IEC 61156-5 :2002 Category 6

MATERIAL CONSTRUCTION & DESIGN

| | |
|-------------------------------|--------------------------|
| Conductor Material | Solid Bare Copper |
| Conductor Size | 23 AWG |
| Conductor Construction | Solid |
| Insulation Material | Polyethylene |
| Insulation O.D. | < 1.35mm |
| Conductor Unit Identification | Solid / Stripe |
| Colour Code | Per TIA / EIA 568-B |
| Conductor Unit Lay-Up | Pairs |
| Total Number of Wires | 8 |
| Individual Shield Material | 100% Mylar Tape (AL/PET) |
| Overall Braiding | 40% Tinned Copper |
| Inner Jacket Material | PVC |
| Armour | ECCS Tape |
| Outer Jacket Material | LDPE |
| Outer Cable Diameter | 12.6±1.5 mm |
| Outer Jacket Colour | Black |

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MATERIAL CONSTRUCTION & DESIGN

| | |
|-----------------------------------------|---------------------------------|
| Conductor Resistance @20°C | Max. 93.8 Ω/KM |
| Conductor Resistance Unbalance | Max. 5 % |
| Mutual Capacitance @1KHZ | Max. 56 nF/KM |
| Insulation Resistance | Min. 5000 MΩ.km |
| High voltage | 2.5 Kv DC/1 min |
| Capacitance Earth Unbalance | Max. 3300 pF/km |
| Propagation Delay @ 1, 10, 100 &250 MHz | Max. 570, 545,538 & 536ns/100 m |
| Propagation Delay Skew 1 – 250 MHz | Max. 40ns/100 m |
| Characteristic Impedance (1-250 MHz) | 100 ± 15Ω |
| Bending radius | 15 x Diameter(min.) |
| Pulling Force | 11.5 kgs (max.) |
| Operating Temperature | 20°C ~ +60°C |

TRANSMISSION PERFORMANCE

| Freq. MHz | Attenuation dB/100m @ 20°C | NEXT dB | PS NEXT dB | RL dB | ELFEXT dB | PSELFEXT dB |
|-----------|----------------------------|---------|------------|-------|-----------|-------------|
| 1 | 2.1 | 65.0 | 62.0 | 19.0 | 63.3 | 60.3 |
| 4 | 4.0 | 63.0 | 60.5 | 19.0 | 51.2 | 48.2 |
| 8 | 5.7 | 58.2 | 55.6 | 19.0 | 45.2 | 42.2 |
| 10 | 6.3 | 56.6 | 54.0 | 19.0 | 43.3 | 40.3 |
| 16 | 8.0 | 53.2 | 50.6 | 18.0 | 39.2 | 36.2 |
| 20 | 9.0 | 51.6 | 49.0 | 17.5 | 37.2 | 34.2 |
| 25 | 10.1 | 50.0 | 47.3 | 17.0 | 35.3 | 32.3 |
| 31.25 | 11.4 | 48.4 | 45.7 | 16.5 | 33.4 | 30.4 |
| 62.5 | 16.5 | 43.4 | 40.6 | 14.0 | 27.3 | 24.3 |
| 100 | 21.3 | 39.9 | 37.1 | 12.0 | 23.3 | 20.3 |
| 200 | 31.5 | 34.8 | 31.9 | 9.8 | 17.2 | 14.2 |
| 250 | 36.0 | 33.1 | 30.2 | 8.0 | 15.3 | 12.3 |

*Supplied cables meets Cat. 6 min. transmission requirements as per IEC 61156-5 Ed. 2

ORDERING INFORMATION

| Part Number | Description | Standard Length |
|-------------------|---------------------------------------------------------------------|-----------------|
| GT- GS-SFTP-OA-23 | Cat 6 S/FTP Double Jacket Steel Tape Armoured External Cable PVC/PE | 305 mtr |
| GT- GS-SFTP-OA-24 | Cat 6 S/FTP Double Jacket Steel Tape Armoured External Cable PVC/PE | 305 mtr |

X:BK(Black)

*As per continues product development specification may changes without prior notice.



www.garantir.in



1800 572 5230



sales@garantir.in