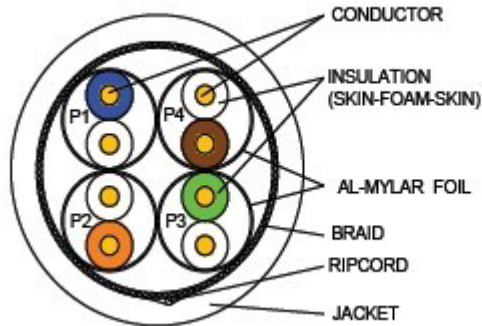


| Nominal Transmission Characteristics | | | | | | | | |
|--------------------------------------|------|-----------|-------------------|------------|------|--------|--------|----------|
| Frequency | RL | IL | Propagation Delay | Delay Skew | NEXT | PSNEXT | ELFEXT | PSELFEXT |
| (MHz) | (dB) | (dB/100M) | (ns) | (ns) | (dB) | (dB) | (dB) | (dB) |
| 4 | 23.0 | na | 552 | 25 | 78.0 | 75.0 | 78.0 | 75.0 |
| 8 | 24.5 | na | 547 | 25 | 78.0 | 75.0 | 77.2 | 74.2 |
| 10 | 25.0 | 6.4 | 545 | 25 | 78.0 | 75.0 | 75.3 | 72.3 |
| 16 | 25.0 | 7.9 | 543 | 25 | 78.0 | 75.0 | 71.2 | 68.2 |
| 20 | 25.0 | 8.8 | 542 | 25 | 78.0 | 75.0 | 69.3 | 66.3 |
| 25 | 24.3 | 9.8 | 541 | 25 | 78.0 | 75.0 | 67.3 | 64.3 |
| 31.25 | 23.6 | 10.9 | 540 | 25 | 78.0 | 75.0 | 65.4 | 62.4 |
| 62.5 | 21.5 | 15.4 | 539 | 25 | 75.5 | 72.5 | 59.4 | 56.4 |
| 100 | 20.1 | 19.5 | 538 | 25 | 72.4 | 69.4 | 55.3 | 52.3 |
| 200 | 18.0 | 28.5 | 537 | 25 | 67.9 | 64.9 | 49.3 | 46.3 |
| 250 | 17.3 | 32.0 | 536 | 25 | 66.4 | 63.4 | 47.3 | 44.3 |
| 300 | 17.3 | 35.2 | 536 | 25 | 65.2 | 62.2 | 45.8 | 42.8 |
| 400 | 17.3 | 41.0 | 536 | 25 | 63.4 | 60.4 | 43.3 | 40.3 |
| 500 | 17.3 | 46.3 | 536 | 25 | 61.9 | 58.9 | 41.3 | 38.3 |
| 600 | 17.3 | 51.1 | 535 | 25 | 60.7 | 57.7 | 39.7 | 36.7 |
| 700 | na | 56.6 | 535 | 25 | 59.7 | 56.7 | na | na |
| 800 | na | 60.9 | 535 | 25 | 58.9 | 55.9 | na | na |
| 900 | na | 65.0 | 535 | 25 | 58.1 | 55.1 | na | na |
| 1000 | na | 68.9 | 535 | 25 | 57.4 | 54.4 | na | na |

S/FTP Cat 7 Copper Cables for Indoor Applications

| Type | S/FTP CAT7 4*2*23AWG LSOH | | |
|---|---------------------------|-------|--------------------|
| Application | | | |
| Suitable for structured premises cabling | | | |
| For transmission of digital and analogue voice and data signals. | | | |
| Especially suitable for all Class F applications. | | | |
| ISDN, Ethernet 10 Base-T, Fast Ethernet 100 Base-T, Gigabit Ethernet 1000Base-T, 10G Base-T, (IEEE 802.3) | | | |
| Token Ring4/16Mbit/s, TP-PMD/TP/DDI 125Mbit/s, ATM 155Mbit/s, (IEEE 802.5) | | | |
| Standard | | | |
| IEC/ISO 61156-5 | | | |
| ANSI/TIA568C.2 | | | |
| ISO/IEC 11801 | | | |
| Construction | | | |
| Conductors | Material | ----- | Solid Bare Copper |
| | Conductors Size | mm | 0.56+/-0.008 |
| Insulation | Material | ----- | PE(Skin-Foam-Skin) |
| | Diameter | mm | 1.38+/-0.05 |
| | Average Thickness | mm | 0.41+/-0.05 |
| Assembly | Direction | ----- | S |
| | No. of Insulation | Pair | 4 |
| Shielding | Material | ----- | Al-Foil Screened |
| Braid | Material | ----- | Tinned copper |
| | Material | ----- | GRAY PVC LSOH |
| Jacket | Diameter | mm | 8.2+/-0.3 |
| | Average Thickness | mm | 0.65+/-0.1 |
| | Color | ----- | RAL4005 |
| | Marking color | ----- | BLACK |

construction:



core:

- P1: White/Blue
- P2: White/Orange
- P3: White/Green
- P4: White/Brown

| Electrical characteristics | | | |
|---|-----------------------------|-----------------------------|----------------------|
| 1. Impedance | 4 - 100MHz 100±15 (ohms) | 5. Transfer Impedance | Max10 mohms/m@100MHz |
| | 100 - 200MHz 100±22 (ohms) | 6 Coupling Attenuation | Min 80 dB |
| | 200 - 1000MHz 100±32 (ohms) | 7. Installation temperature | 0~50°C |
| 2. Max. Conductor DC Resistance 20°C | 87(ohms/km) | 8. Operation temperature | -20~60°C |
| 3. Resistance unbalance (%) max | 2.5 | | |
| 4. Pair-to-Ground Capacitance Unbalance | 330 (pF/100m) | | |

| APPROVED | CHECKED | DRAWN | CUSTOMER: | |
|----------|---------|-------|-----------|-------|
| | | | ITEM NO. | TP-71 |
| | | | DRAW NO. | |
| | | | UNIT | mm |
| | | | SCALE | NONE |

DESCRIPTION:

S/FTP CAT 7 INSTALLATION CABLE 305m
(GRAY) LSOH

