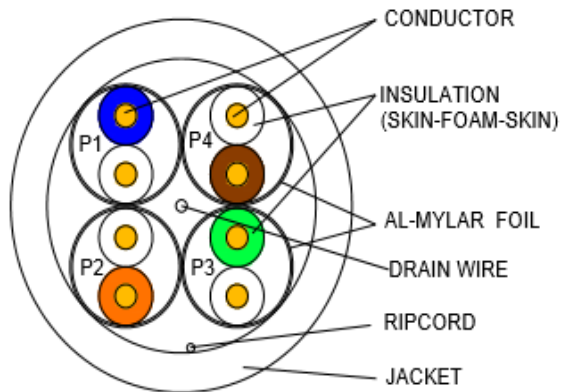


| Nominal Transmission Characteristics | | | | | | | | |
|--------------------------------------|---------|-----------|-----------|-----------|-----------|-------------|------------|--------------|
| Frequency | Min. RL | Min. IL | Max. DOP | Max. SKEW | Min. NEXT | Min. PSNEXT | Min. ACR-F | Min. PSACR-F |
| (MHz) | (dB) | (dB/100M) | (ns/100M) | (ns/100M) | (dB) | (dB) | (dB/100M) | (dB/100M) |
| 1 | 20.0 | 2.1 | 570 | 45 | 74.3 | 72.3 | 67.8 | 64.8 |
| 4 | 23.0 | 3.8 | 552 | 45 | 65.3 | 63.3 | 55.8 | 52.8 |
| 10 | 25.0 | 5.3 | 545 | 45 | 59.3 | 57.3 | 47.8 | 44.8 |
| 16 | 25.0 | 7.5 | 543 | 45 | 56.2 | 54.2 | 43.7 | 40.7 |
| 20 | 25.0 | 8.4 | 542 | 45 | 54.8 | 52.8 | 41.8 | 38.8 |
| 31.25 | 23.6 | 10.5 | 540 | 45 | 51.9 | 49.9 | 37.9 | 34.9 |
| 62.5 | 21.5 | 15.0 | 539 | 45 | 47.4 | 45.4 | 31.9 | 28.9 |
| 100 | 20.1 | 19.1 | 538 | 45 | 44.3 | 42.3 | 27.8 | 24.8 |
| 200 | 18.0 | 27.6 | 537 | 45 | 39.8 | 37.8 | 21.8 | 18.8 |
| 300 | 17.3 | 34.3 | 536 | 45 | 37.1 | 35.1 | 18.3 | 15.3 |
| 400 | 17.3 | 40.1 | 536 | 45 | 35.3 | 33.3 | 15.8 | 12.8 |
| 500 | 17.3 | 45.3 | 536 | 45 | 33.8 | 31.8 | 13.8 | 10.8 |

Note: The above transmission performance for the 100M, 20 ± 2 °C under the conditions tested

| PRODUCT DATA SHEET | | | |
|------------------------------------|-------------------|-------|--------------------|
| TYPE U/FTP CAT 6A 2*4*2*23AWG LSOH | | | |
| 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 insulations | Pair | 4 |
| Shielding | Material | ----- | Al-Foil Screened |
| Drain wire | Material | ----- | 0.40+/-0.005mm TC |
| | Material | ----- | LSOH |
| Jacket | Diameter | mm | 7.8+/-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

| Application | |
|--|---|
| Suitable for structured premises cabling For transmission of digital and analogue voice and data signals. Especially suitable for all Class EA applications ISDN, Ethernet 10Base-T, Fast Ethernet 100Base-T, Gigabit Ethernet 1000Base-T, 10G Base-T. (IEEE 802.3) Token Ring 4/16Mbit/s, TP-PMD/TP/DDI 125Mbit/s, ATM 155Mbit/s. (IEEE802.5) | |
| Standard | |
| IEC/ISO 61156-5 ANSI/TIA568C.2 ISO/IEC 11801 | |
| Electrical Characteristic | |
| 1. Impedance : | 4-100MHz 100+/-15(Ohms) 100-200MHz 100+/-22(Ohms) 200-500MHz 100+/-32(Ohms) |
| 2. Max. Conductor DC Resistance 20 °C | 84 (Ohms/Km) |
| 3. Resistance Unbalance(%) : | Max2.5 |
| 4. Pair-to- Ground Capacitance Unbalance : | 330(pF/100M) |
| 5. Transfer impedance | Max10 mohms/m@100MHz |
| 6. Coupling Attenuation | Min 80 dB |
| 7. Insulation Temperature : | 0~50 C |
| 8. Operation temperature: | -20~60 °C |

| APPROVED | CHECKED | DRAWN | CUSTOMER: | |
|----------|---------|-------|-----------|-------|
| | | | ITEM NO. | TP-55 |
| | | | DRAW NO. | |
| | | | UNIT | mm |
| | | | SCALE | NONE |

| DESCRIPTION: |
|--|
| U/FTP CAT6A INSTALLATION CABLE 305m (GREY) |

