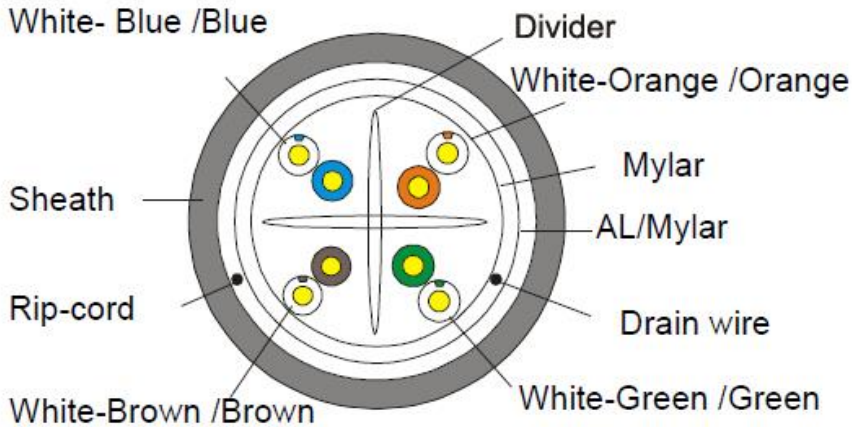


CAT-6 CMR 23AWG 4-pair STP Cable



Features:

- Standards ANSI/EIA/TIA 568-C.2 & ISO/IEC 11801, IEEE 802.3af
- CMR Rated
- Applications: Suitable for Data Applications, Gigabit Ethernet, Fast Ethernet and 155Mbps TP-PMD/CDDI

| | | | | |
|---------------------------|-----------------------|-------------------------------|------|--------|
| Conductor | Material | Solid Bare Copper | | |
| | Nominal O.D. (mm) | 0.565 | Up | +0.005 |
| | | | down | -0.005 |
| Insulation | Material | HDPE | | |
| | Diameter | 1.12 ± 0.05 | | |
| Screening Material | Mylar+ AL/Mylar | | | |
| Jacket | Material | PVC (complies RoHS), UL (CMR) | | |
| | Thickness | 0.60 ± 0.05mm | | |
| | External OD | 7.4 ± 0.4mm | | |
| | Colors | Grey | | |
| | Surface | Clean, Frap, Satiation | | |
| Surface Painting | Letter height | 3.0 ± 0.3mm | | |
| | Color | Black | | |
| | Print Error & Space | ≤±0.5%, 1m | | |
| Core Color | 1 White – Blue / Blue | 2 White – orange/Orange | | |
| | 3 White – Green/Green | 4 White – Brown/Brown | | |
| Packing Length | 305 ±1.5m | | | |

| | |
|--|--|
| Rip-cord | Yes |
| Drain Wire | Yes |
| Standards: | ISO/IEC11801, TIA-568-C.2 |
| Jacket Physical Properties | Before aging Tensile Strength (Mpa) ≥ 13.5 |
| | Elongation (%) ≥ 150 |
| | Aging period ($^{\circ}\text{C} \times \text{hrs}$) $100^{\circ}\text{C} \times 24\text{h} \times 7\text{d}$ |
| | After aging Tensile Strength (Mpa) ≥ 12.5 |
| | Elongation (%) ≥ 125 |
| | Cold bend bend($-20 \pm 2^{\circ}\text{x}4\text{h}$) $8 \times \text{Cable O.D.}$, No visible cracks |
| Electrical Characteristics 20°C | 1.0-250.0MHz Impedance (Ω) 100 ± 15 |
| | 1.0-250.0MHz Delay Skew (ns/100m) ≤ 45 |
| | Unbalanced-to-ground capacitance (pf/100m) max 330 |
| | DC resistance ($\Omega/100\text{m}$) max: 9.38 |
| | DC conductor Resistance unbalance % max 5.0 |

| Freq. | RL | ATT | NEXT | PHASE DELAY | PSNEXT | ELFEXT | PSELFEXT |
|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| MHz | $\geq \text{dB}$ | $\leq \text{dB}$ | $\geq \text{dB}$ | $\leq \text{dB}$ | $\geq \text{dB}$ | $\geq \text{dB}$ | $\geq \text{dB}$ |
| 1 | 20.0 | -- | 74.3 | 570.0 | 72.3 | 67.8 | 64.8 |
| 4 | 23.0 | 3.78 | 65.3 | 552.0 | 63.3 | 55.8 | 52.8 |
| 8 | 24.5 | 5.32 | 60.8 | 546.73 | 58.8 | 49.7 | 46.7 |
| 10 | 25.0 | 5.95 | 59.3 | 545.38 | 57.3 | 47.8 | 44.8 |
| 16 | 25.0 | 7.55 | 56.2 | 543.00 | 54.2 | 43.7 | 40.7 |
| 20 | 25.0 | 8.47 | 54.8 | 542.05 | 52.8 | 41.8 | 38.8 |
| 25 | 24.3 | 9.51 | 53.3 | 541.20 | 51.3 | 39.8 | 36.8 |
| 31.25 | 23.6 | 10.67 | 51.9 | 540.44 | 49.9 | 37.9 | 34.9 |
| 62.5 | 21.5 | 15.38 | 47.4 | 538.55 | 45.4 | 31.9 | 28.9 |
| 100 | 20.1 | 19.8 | 44.3 | 537.60 | 42.3 | 27.8 | 24.8 |
| 200 | 18.0 | 28.98 | 39.8 | 536.54 | 37.8 | 21.8 | 18.8 |
| 250 | 17.3 | 32.85 | 38.3 | 536.27 | 36.3 | 19.8 | 16.8 |

Ordering Information:

| Part Number | Description |
|-------------|---|
| NEW-9806351 | CAT-6 CMR 23AWG 4-pair STP Cable 1000ft, Gray |