

100 Ohm Individually Braided Shielded Twisted Pair Cable

Terminating Cable for Digital Transmission • Spec. 4162 • Type CMR/CM

Product Construction

Conductors:

- 22 AWG solid tinned annealed copper

Insulation:

- High-density polyethylene with a layer of flame-retardant PVC overall
- Primary insulation, Nominal O.D. = 0.051"
- Secondary insulation, Nominal O.D. = 0.072"

Drain Wire:

- 22 AWG solid tinned annealed copper

Shield:

- 34 AWG tinned copper braid 90% coverage

Pair Jacket:

- Flame-retardant PVC jacket over each braid shielded twisted pair

Color Code:

- Pair jackets are color-coded by use of jacket printing
- Marking or printing will correspond with the colors of the insulated pairs (e.g., white/blue printed on the pair jacket indicates the insulation colors of the pairs enclosed)

Jacket:

- Flame-retardant PVC
- Sequential footage markings

Packaging

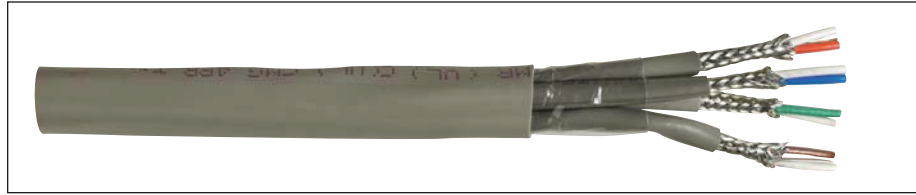
- 500' reel (RL)
- Bulk reels are available upon request

Applications

- T1/DS1
- Suitable for use in terminating high-frequency lines to carrier equipment in central offices

Compliances

- 1 pair: UL and c(UL) Type CM
- 2 pair through 12 pair: UL and c(UL) Type CMR



| PRODUCT NUMBER | PAIRS | COLOR CODE | JACKET COLOR | O.D. (INCHES) | WEIGHT (LBS/KFT) |
|----------------|-------|------------|--------------|---------------|------------------|
| 2117037 | 1 | W/BL | Orange | 0.18 | 26 |
| 2117046 | 1 | BK/O | Gray | 0.18 | 26 |
| 2117047 | 1 | R/G | Gray | 0.18 | 26 |
| 2117048 | 1 | W/BL | Red | 0.18 | 26 |
| 7056898 | 1 | W/BL | Gray | 0.18 | 26 |
| 7056906 | 1 | W/O | Gray | 0.18 | 26 |
| 7056914 | 1 | W/B | Gray | 0.18 | 26 |
| 7056880 | 2 | See Chart | Gray | 0.46 | 75 |
| 7056922 | 4 | See Chart | Gray | 0.55 | 131 |
| 7056930 | 5 | See Chart | Gray | 0.57 | 160 |
| 7056948 | 8 | See Chart | Gray | 0.72 | 244 |
| 7056955 | 10 | See Chart | Gray | 0.80 | 302 |
| 7056963 | 12 | See Chart | Gray | 0.87 | 355 |

Data subject to change without notice.

Electrical Characteristics

| | 22 AWG | Frequency | Attenuation dB/1000ft | NEXT dB/1000ft | FEXT dB/1000ft |
|--|---------|------------|-----------------------|----------------|----------------|
| DC Resistance (max) Ohms/1000ft @ 20°C | 18 | .100 MHz | 2.2 | 97 | 109 |
| Resistance Unbalanced (max) (of a pair) @ 20°C | 5 | .772 MHz | 6.1 | 93 | 94 |
| Shield Resistance (nom) Ohms/1000ft | 3.3 | 1.000 MHz | 7.0 | 88 | 92 |
| Mutual Capacitance (max) pF/ft @ 1 kHz | 19 | 1.600 MHz | 9.1 | 85 | 90 |
| Impedance Ohms/772 kHz | 100 ± 5 | 3.150 MHz | 13.2 | 82 | 88 |
| | | 6.300 MHz | 19.1 | 80 | 83 |
| | | 10.000 MHz | 25.0 | 72 | 71 |

Color Code Chart

| PAIR NO. | COLOR CODE |
|----------|----------------|
| 1 | White & Blue |
| 2 | White & Orange |
| 3 | White & Green |
| 4 | White & Brown |
| 5 | White & Slate |
| 6 | Red & Blue |
| 7 | Red & Orange |
| 8 | Red & Green |
| 9 | Red & Brown |
| 10 | Red & Slate |
| 11 | Black & Blue |
| 12 | Black & Orange |

