

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
7056880	2	See Chart	Gray	0.46	75
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/1000 ft	NEXT dB/1000 ft	FEXT dB/1000 ft
DC Resistance (max) Ohms/1000 ft @ 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 @ 1000 ft	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

