

# 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: NEC/CEC Type CM (UL 1685-2000)
- 2 pair through 12 pair: NEC/CEC Type CMR (UL 1666)
- UL 444
- RoHS Compliant Directive 2011/65/EU



PRODUCT NUMBER	PAIRS	COLOR CODE	JACKET COLOR	O.D. (INCHES)	WEIGHT (LBS/KFT)
2117037	1	W/BL	Orange	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

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
		.772 MHz	6.1	93	94
Resistance Unbalanced (max) Individual Pair % @ 20°C	5	1.000 MHz	7.0	88	92
		1.600 MHz	9.1	85	90
Shield Resistance (nom) Ohms @ 1000 ft	3.3	3.150 MHz	13.2	82	88
		6.300 MHz	19.1	80	83
Mutual Capacitance (max) pF/ft @ 1 kHz	19	10.000 MHz	25.0	72	71
Impedance Ohms/772 kHz	100 ± 5				

## 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

