

Tight Twisted Pair Digital Terminating Cable

Spec. 7271 • Type CMR • 1161A Series

24 AWG Shielded/Extended Frequency



PRODUCT NUMBER	PAIRS	O.D. (INCHES)	WEIGHT (LBS/KFT)
7271.01224.S1R	12	0.35	60
7271.02524.S1R	25	0.48	109
7271.02824.S1R	28	0.51	132

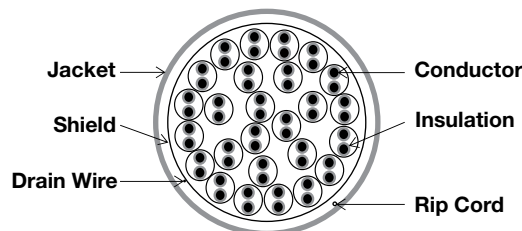
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Electrical Characteristics

	24 AWG	Frequency	Attenuation dB/100m	NEXT dB
DC Resistance (max) Ohms/100m (328ft) @ 20°C	9.38	0.772 MHz	1.9	56
Mutual Capacitance (max) pF/ft @ 1 kHz	17	1 MHz	2.2	55
Insulation Resistance (min) (mohms - 1000')	500	4 MHz	4.1	45
Characteristic Impedance Frequency (f): 1.0 MHz	Ohms 100 ± 15	8 MHz	5.0	41
Capacitance Unbalance pF/100m	Pr to Pr 70 (max) Pr to Ground 330 (max)	10 MHz	5.7	39
		16 MHz	7.2	35

Color Code Chart

PAIR NO.	TIP	RING	PAIR NO.	TIP	RING
1	White	Blue	14	Black	Brown
2	White	Orange	15	Black	Slate
3	White	Green	16	Yellow	Blue
4	White	Brown	17	Yellow	Orange
5	White	Slate	18	Yellow	Green
6	Red	Blue	19	Yellow	Brown
7	Red	Orange	20	Yellow	Slate
8	Red	Green	21	Violet	Blue
9	Red	Brown	22	Violet	Orange
10	Red	Slate	23	Violet	Green
11	Black	Blue	24	Violet	Brown
12	Black	Orange	25	Violet	Slate
13	Black	Green			



Product Construction

Conductors

- 24 AWG solid tinned annealed copper

Insulation:

- High-density polyethylene, nom. = 0.036"

Pairing:

- Tight pair lays

Color Code:

- See chart below

Shield:

- Polyester-backed aluminum foil shield

Drain Wire:

- 24 AWG solid tinned copper

Rip Cord:

- Applied longitudinally under jacket

Jacket:

- Flame-retardant gray PVC

Packaging

- 1000' reel (RL)
- Bulk reels are available upon request

Applications

- T1/DS1
- DS1C
- DS2
- 10 BASE-T
- Shielded digital terminating cable is designed for switching and transmission equipment cabling for telephone central office

Compliances

- TIA/EIA 568 B.2 (Category 3)
- UL and c(UL) Type CMR

Features

- Nominal 100 Ohm impedance
- Shielding from EMI
- Short twist length for better crosstalk performance

