

Tight Twisted Pair Digital Terminating Cable

Spec. 4129 • Type CMR • 1249C Series
26 AWG Dual Insulated/Shielded/Jacketed

Product Construction

Conductors:

- 26 AWG solid tinned annealed copper

Insulation:

- Inner layer of polyethylene, outer layer of PVC
- Primary insulation, nominal O.D. = 0.022"
- Secondary insulation, nominal O.D. = 0.029"

Color Code:

- See chart below

Inner Jacket:

- Flame-retardant gray PVC

Shields:

- Two polyester-backed aluminum foil shields

Drain Wire:

- 24 AWG solid tinned copper is placed between the two shields

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

Compliances

- Telcordia (Bellcore) analyzed the General Cable 4129 Series - Type 1249C Family of Central Office Cables to the criteria in Telcordia GR-137-CORE. Copies of the analysis report are available from General Cable upon request.
- UL and c(UL) Type CMR

Features

- Nominal 100 Ohm impedance
- Dual-shielded digital terminating cable is designed for switching and transmission equipment cabling for telephone central office
- Shielding from EMI
- Short twist length for better crosstalk performance

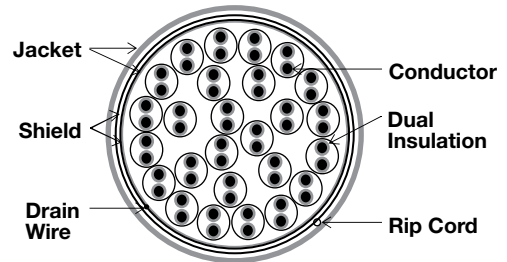


PRODUCT NUMBER	PAIRS	O.D. (INCHES)	WEIGHT (LBS/KFT)
7412920	20	0.41	72
7412928	28	0.44	91

Data subject to change without notice.
Other pair counts available as special order.

Electrical Characteristics

		26 AWG
DC Resistance (max) Ohms/100m (328ft) @ 20°C		13.7
Mutual Capacitance (nom) nF/100m @ 1 kHz		5.25
Conductor Resistance Unbalance (max)		5%
Characteristic Impedance		Ohms
Frequency (f):	1.0 MHz	100 ± 15
Capacitance Unbalance		
pF/100m	Pr to Pr	52.5 (max)
	Pr to Ground	330 (max)
Attenuation (nom)		dB/100m
Frequency (f):	0.772 MHz	2.1
	1.024 MHz	2.5
	1.576 MHz	3.0
	3.156 MHz	4.3
	4.224 MHz	4.9



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			