

Category 3 Cables

4

As your one-stop resource, General Cable provides a comprehensive line of Category 3 wiring products. General Cable offers a mix of quality plenum, riser and multi-dwelling residential cables designed for sophisticated voice and data systems.

General Cable's **Category 3 Plenum** Cable is installed in a building's return air plenums for both convenience and aesthetics. **Category 3 Riser** Cable is ideal for installation in vertical riser and general horizontal applications. Available from two to 300 pair counts, Category 3 Plenum and Riser Cables meet all your Power Sum NEXT backbone voice transmission requirements.

Heavy EMI/RFMI is common in hostile workplaces where equipment and machinery generate noises that can compromise voice and data signals. General Cable's **Category 3 Shielded** Plenum and Riser Cables feature Mylar® tape and polyester-backed aluminum foil shields to reduce the effects of EMI/RFI in electromagnetic environments.

All General Cable's Category Cables meet applicable TIA/EIA 568 C.2 safety standards. Each safety-listed cable meets the Canadian Standards Association (CSA) and the National Electric Code (NEC) requirements. Independent third-party testing further confirms the quality and performance of all cables.

Dual listed for **CMX Outdoor-CMR**, General Cable's Category 3 station wire withstands and operates at the low temperatures found in colder regions, down to -40°C without jacket cracking.

Available in various jacket colors and pair counts, General Cable's category cables meet installers' needs for virtually every application. Fabricated in state-of-the-art facilities, these cables are backed by years of technical expertise and are guaranteed to meet your expectations.

Index	Page
Category 3 Plenum	57
Category 3 Non-Plenum	58
Category 3 Screened	59
Category 3 Residential CMX Outdoor-CMR	60

Category 3 Plenum



PRODUCT NUMBER	PAIRS	JACKET COLOR	PKG	O.D. (INCHES)	WEIGHT (LBS/KFT)
----------------	-------	--------------	-----	---------------	------------------

Flexguard® Flame-Retardant PVC Jacket

2131243	2	White	PP	0.13	10
2131244	3	White	PP	0.15	13
2131248	3	White	SP	0.15	13
2131245	4	White	PP	0.17	17
2131313	4	Gray	PP	0.17	17
2131249	4	White	SP	0.17	17
2131419	4	Gray	SP	0.17	17
2131453	4	Blue	PP	0.17	17
2131458	4	White	SPC	0.17	17
2131462	4	Yellow	PP	0.17	17
2131463	4	Green	PP	0.17	17
2131246	6	White	PP	0.18	24
2131250	6	White	SP	0.18	24
2131505	25	White	RL	0.42	102
2131505.99	25	White	POL	0.42	102
2131757	50	White	RL	0.59	220
2131757.99	50	White	POL	0.59	220
2131758	100	White	RL	0.84	440
2131758.99	100	White	POL	0.84	440

PVDF Fluoropolymer Jacket

2131442.99	200	Natural	POL	1.10	728
2131474.99	300	Natural	POL	1.45	1243

Data subject to change without notice.

Product Construction

Conductors:

- 24 AWG solid bare annealed copper

Insulation:

- Flame-retardant semi-rigid PVC

Color Code:

- See Color Code Chart on page 94

Rip Cord:

- Applied longitudinally under jacket (except 3 and 4 pair)

Jacket:

- Flexguard® flame-retardant PVC
- Tough low-friction PVDF fluoropolymer
- Sequential footage markings

Packaging

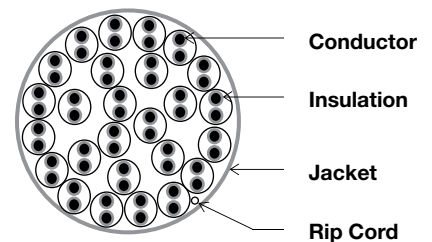
- 1000' Pull-Pac® (PP)
- 1000' spool (SP)
- 1000' Spool-Pac® (SPC)
- 1000' reel (RL)
- Per order length (POL)

Applications

- 100 VG-AnyLAN
- 52 Mbps ATM
- 4 Mbps Token Ring (IEEE 802.5)
- 10 BASE-T (IEEE 802.3)
- T1
- Voice

Compliances

- ANSI/TIA/EIA 568 C.2
- ANSI/ICEA S-90-661 (Category 3)
- NEC/CEC Type CMP
- RoHS Compliant Directive 2002/95/EC



Conductor
Insulation
Jacket
Rip Cord

Electrical Characteristics

	24 AWG
DC Resistance (max) Ohms/100 m (328 ft) @ 20°C	9.38
Mutual Capacitance (nom) pF/ft @ 1 kHz	18
Characteristic Impedance Frequency (f): 1.0-16.0 MHz	Ohms 100 ± 15
Structural Return Loss (SRL) Frequency (f): 1.0-10.0 MHz 10.0-16.0 MHz	dB (min) 12 12-10 log (f/10)

Frequency	Insertion Loss dB/100 m (max)	Power Sum Near-End Crosstalk dB (min)
772 kHz	2.2	43
1 MHz	2.6	41
4 MHz	5.6	32
8 MHz	8.5	27
10 MHz	9.7	26
16 MHz	13.1	23

Physical Data

	CMP (Plenum)
Temperature Rating (°C)	
Installation:	0 to +75
Operation:	-10 to +75



VERIFIED 4 Pair



TIA/EIA 568C



RoHS Compliant
Directive 2002/95/EC

2-6 Pair

General Cable