

Category 3 Cables

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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 B 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.

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Category 3 Plenum



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

Electrical Characteristics

	24 AWG	Frequency	Attenuation dB/100m (max)	Power Sum Near-End Crosstalk dB (min)
DC Resistance (max) Ohms/100m (328ft) @ 20°C	9.38	772 kHz	2.2	43
Mutual Capacitance (nom) pF/ft @ 1 kHz	18	1 MHz	2.6	41
Characteristic Impedance Frequency (f): 1.0-16.0 MHz	Ohms 100 ± 15	4 MHz	5.6	32
Structural Return Loss (SRL) Frequency (f): 1.0-10.0 MHz	dB (min) 12	8 MHz	8.5	27
	10.0-16.0 MHz 12-10 log (f/10)	10 MHz	9.7	26
		16 MHz	13.1	23

Product Construction

Conductors:

- 24 AWG solid bare annealed copper

Insulation:

- Flame-retardant semi-rigid PVC

Color Code:

- See Color Code Chart on page 86

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

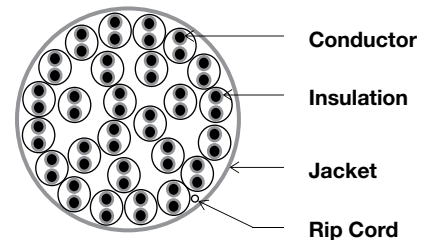
- 1000' Pull-Pac® (PP)
- 1000' spool (SP)
- 1000' Spool-Pac® (SPC)
- 1000' reel (RL)
- Per order length (POL)

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



Physical Data

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



Category 3 Non-Plenum

Product Construction

Conductors:

- 24 AWG solid bare annealed copper

Insulation:

- Flame-retardant semi-rigid PVC

Color Code:

- See Color Code Chart on page 86

Rip Cord:

- Applied longitudinally under jacket

Jacket:

- Flame-retardant PVC
- Sequential footage markings

Packaging

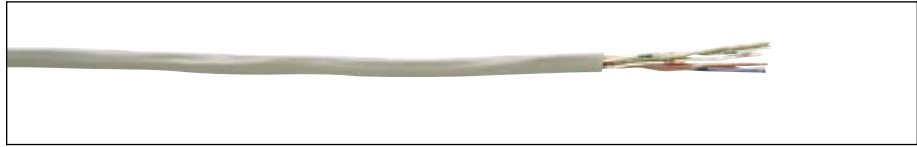
- 1000' Pull-Pac® (PP)
- 1000' Spool-Pac® (SPC)
- 1000' spool (SP)
- 1000' reel (RL)
- Per order length (POL)

Applications

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

Compliances

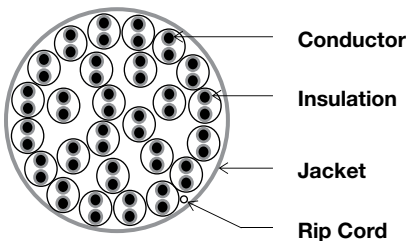
- ANSI/TIA/EIA 568 B.2 (Category 3)
- ANSI/ICEA S-90-661 (Category 3)
- NEC/CEC Type CMR
- RoHS Compliant Directive 2002/95/EC



PRODUCT NUMBER	PAIRS	JACKET COLOR	PKG.	O.D. (INCHES)	WEIGHT (LBS/KFT)
2133008	2	Beige	PP	0.14	9
2133009	2	Gray	PP	0.14	9
2133011	2	Gray	SP	0.14	9
2133012	3	Beige	PP	0.15	13
2133013	3	Gray	PP	0.15	13
2133015	3	Gray	SP	0.15	13
2133016	4	Beige	PP	0.17	16
2133017	4	Gray	PP	0.17	16
2133359	4	White	SPC	0.17	16
2133358	4	Gray	SPC	0.17	16
2133018	4	Beige	SP	0.17	16
2133019	4	Gray	SP	0.17	16
2133275	4	Blue	PP	0.17	16
2133296	4	White	PP	0.17	16
2133020	6	Beige	PP	0.21	23
2133021	6	Gray	PP	0.21	23
2133022	6	Beige	SP	0.21	23
2133023	6	Gray	SP	0.21	23
2133026	12	Beige	RL	0.27	47
2133027	12	Gray	RL	0.27	47
2133033	25	Gray	RL	0.42	105
2133033.99	25	Gray	POL	0.42	105
2133161	50	Gray	RL	0.56	185
2133161.99	50	Gray	POL	0.56	185
2133144	100	Gray	RL	0.74	375
2133144.99	100	Gray	POL	0.74	375
2133323	200	Gray	RL	1.02	724
2133323.99	200	Gray	POL	1.02	724
2133373.99	300	Gray	POL	1.23	1077

Data subject to change without notice.

Note: Non-stock items may be subject to minimum order quantities.



Physical Data

	CMR (Non-Plenum)
Temperature Rating (°C)	
Installation:	0 to +60
Operation:	-10 to +60

Electrical Characteristics

	24 AWG	Frequency	Attenuation dB/100m (max)	Power Sum Near-End Crosstalk dB (min)
DC Resistance (max) Ohms/100m @ 20°C	9.38	772 kHz	2.2	43
Mutual Capacitance (nom) pF/ft @ 1 kHz	18	1 MHz	2.6	41
Characteristic Impedance Frequency (f): 1.0-16.0 MHz	Ohms 100 ± 15	4 MHz	5.6	32
Structural Return Loss (SRL) Frequency (f): 1.0-10.0 MHz	dB (min) 12	8 MHz	8.5	27
	10.0-16.0 MHz	10 MHz	9.7	26
	12-10 log (f/10)	16 MHz	13.1	23



VERIFIED 2-6, 25 Pair

Category 3 Screened



CMP (Plenum)

PRODUCT NUMBER	PAIRS	O.D. (INCHES)	WEIGHT (LBS/KFT)
2131537	2	0.13	14
2131216	3	0.15	18
2131217	4	0.20	23
2131218	6	0.26	32



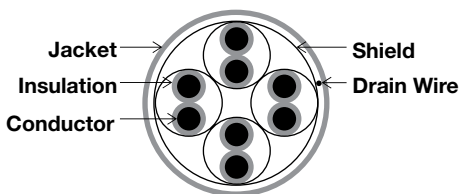
CMR (Non-Plenum)

PRODUCT NUMBER	PAIRS	O.D. (INCHES)	WEIGHT (LBS/KFT)
2133175	2	0.19	18
2133176	3	0.22	23
2133177	4	0.23	28

Data subject to change without notice.

Electrical Characteristics

	24 AWG	Frequency	Attenuation dB/100m (max)	Power Sum Near-End Crosstalk dB (min)
DC Resistance (max) Ohms/100m (328ft) @ 20°C	9.38	772 kHz	2.2	43
Mutual Capacitance (nom) PF/ft @ 1kHz	18	1 MHz	2.6	41
Characteristic Impedance Frequency (f): 1.0-16.0 MHz	Ohms 100 ± 15	4 MHz	5.6	32
Structural Return Loss (SRL) Frequency (f): 1.0-10.0 MHz	dB (min) 12	8 MHz	8.5	27
10.0-16.0 MHz		10 MHz	9.7	26
	12-10 log (f/10)	16 MHz	13.1	23



Physical Data

	CMR (Non-Plenum)	CMP (Plenum)
Temperature Rating (°C)		
Installation:	0 to +60	0 to +75
Operation:	-10 to +60	-10 to +75

Product Construction

Conductors:

- 24 AWG solid bare annealed copper

Insulation:

- Plenum: Fluoropolymer
- Non-Plenum: Flame-retardant semi-rigid PVC

Color Code:

- Pair 1: Blue-White/Blue
- Pair 2: Orange-White/Orange
- Pair 3: Green-White/Green
- Pair 4: Brown-White/Brown
- Pair 5: Slate-White/Slate
- Pair 6: Blue-Red/Blue

Rip Cord:

- Plenum: None
- Non-Plenum: Applied longitudinally under jacket

Drain Wire:

- 24 AWG solid tinned copper

Shield:

- Polyester-backed aluminum foil

Jacket:

- Plenum: Natural Flexguard® flame-retardant PVC (2pr) tough low-friction PVDF fluoropolymer (3-6 pair)
- Non-Plenum: Gray flame-retardant PVC
- Sequential footage markings

Packaging

- 1000' spool (SP)

Applications

- 100 BASE 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 B.2 (Category 3)
- ANSI/ICEA S-90-661 (Category 3)
- Plenum: NEC/CEC Type CMP
- Non-Plenum: NEC/CEC Type CMR



Category 3 Residential CMX Outdoor-CMR

Product Construction

Conductors:

- 4 pairs of 24 AWG solid annealed bare copper

Insulation:

- Polyolefin

Color Code:

Co-extruded stripe

- Pair 1: Blue-White/Blue
- Pair 2: Orange-White/Orange
- Pair 3: Green-White/Green
- Pair 4: Brown-White/Brown

Rip Cord:

- Applied longitudinally under jacket

Jacket

- Flame-retardant PVC
- Sequential footage markings
- Installation Temperature: -10°C to 60°C
- Operation Temperature: -40°C to 75°C

Physical Data

Nominal Cable Diameter (in)

- 0.19

Nominal Cable Weight (lbs/1000ft)

- 20

Packaging

- 600' Pull-Pac® Carton (PP)

Applications

- 100 BASE 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 B.2 (Category 3)
- ANSI/ICEA S-100-685
- NEC CMX Outdoor-CMR
- RoHS Compliant Directive 2002/95/EC



PRODUCT NUMBER	JACKET COLOR
2137088	Ivory
2137087	L.O. Gray

Data subject to change without notice.

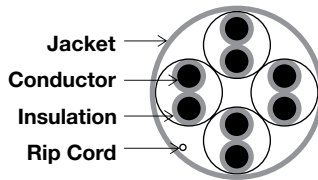
Note: For installations using staple guns, the 4-pair construction requires the use of T-25 size staple.

Electrical Characteristics

	24 AWG
DC Resistance (max) Ohms/100m (328ft) @ 20°C	9.38
Mutual Capacitance (nom) pF/ft @ 1 kHz	17
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	Attenuation dB/100m (max)	NEXT Power Sum 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

Note: CMX outdoor rating allows the cable to be exposed for short distances from the Network Interface Device on the outside of the house to the point where the cable enters the house. This type of cable is not to be buried or direct buried.



Physical Data

	CMR (Non-Plenum)
Temperature Rating (°C)	
Installation:	0 to +60
Operation:	-10 to +60