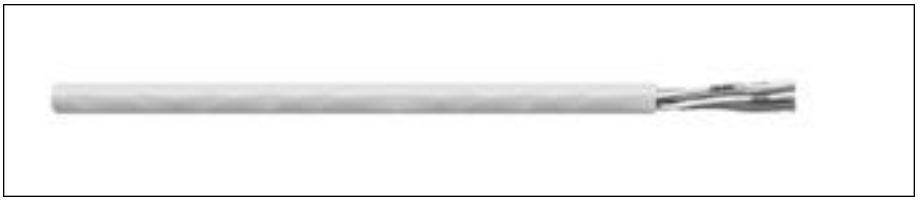
Indoor/Outdoor Station Wire



General Cable has manufactured a premium grade of telephone station wires for several decades. With time, these simple station wires of the past were pressed into the increased performance levels of modern day systems. Today's station wires utilize several different insulations and constructions as well as jacketing compounds. Why? Simply to better allow the end user to select the station wire required for the job.

Whether your application is indoors or outdoors, voice or high-speed data, General Cable has the station wire of your choice.

General Cable is the first word in station wire.

Spools

Reels

Pull-Pac®
Cartons

Spool-Pac®
Cartons

Index	Page
Voice Grade Category 3	28
High Speed Data Category 5	29

General Cable

Voice Grade

Category 3 • UTP • Spec. 8387 • Type CMX OUTDOOR-CMR

Product Construction:

Conductors:
- 24 AWG solid annealed bare copper

Insulation:
- Polyolefin

Pairing:
- Two twists per foot minimum

Color Code:
- See chart below

Rip Cord:
- Applied under jacket

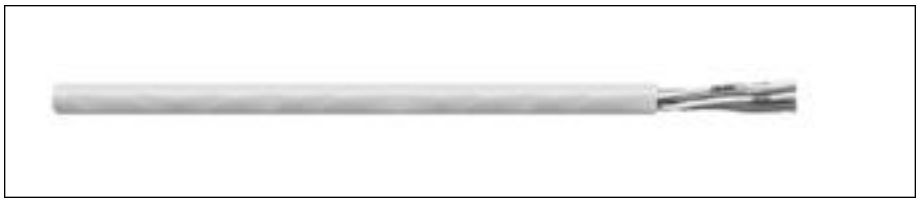
Jacket:
- Flame retardant PVC
- Sequential footage marking

Features:
- UL dual listed CMX OUTDOOR-CMR
- CMX Outdoor rating enables the wire to be used in outdoor applications
- CMR rating allows for installation in residential, general commercial horizontal wiring and vertical riser runs in multifloor buildings
- Meets Category 3 transmission requirements

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

Compliances:
- UL Listed CMX OUTDOOR-CMR
- c(UL) CMG
- IBM Type 3
- ANSI/TIA/EIA 568A (Category 3)
- ANSI/ICEA S-90-661 (Category 3)
- NEMA WC63.1 (Category 3)

Packaging:
- 600' Pull-Pac® Carton (PP)
- 600' HAT Carton (HT)



PRODUCT NUMBER	PAIRS	AWG	JACKET COLOR	PKG	O.D. (INCHES)	WEIGHT (LBS/KFT)
2137107	2	24	Light Olive Gray	HT	0.16	12
2137108	2	24	Ivory	HT	0.16	12
2137087	4	24	Light Olive Gray	PP	0.18	20
2137088	4	24	Ivory	PP	0.18	20
2137094	4	22	Light Olive Gray	PP	0.21	29
2137093	4	22	Ivory	PP	0.21	29

Data subject to change without notice. Contact your Customer Service Representative for latest information.

Note 1: For installations using staple guns the 4 pair construction requires the use of a T-25 size staple whereas the 2 pair can utilize a T-18 size staple.

Electrical Characteristics

		24 AWG
DC Resistance (max) Ohms/100m (328ft) @ 20°C		9.38
Mutual Capacitance (nom) pF/ft @ 1kHz		17
Characteristic Impedance		Ohms (min-max)
Frequency (f):	772 kHz	87-117
	1.0-16.0 MHz	85-115
Structural Return Loss (SRL)		dB (min)
Frequency (f):	1.0-10.0 MHz	12
	10.0-16.0 MHz	12-10 log (f/10)

Frequency	Attenuation dB/100m (328 ft)	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

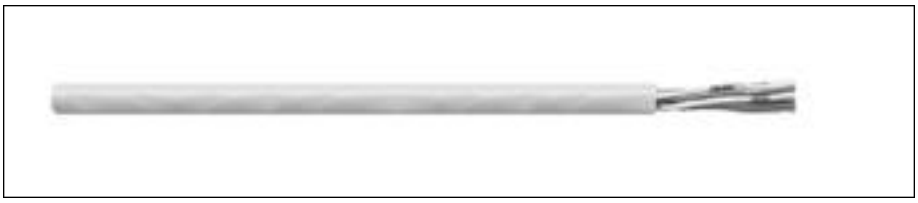
Color Code Chart

PAIR NO.	RING CONDUCTOR INSULATION COLOR	TIP CONDUCTOR	
		INSULATION COLOR	BANDMARK
1	Blue	White	Blue
2	Orange	White	Orange
3	Green	White	Green
4	Brown	White	Brown

General Cable

High Speed Data

Category 5 • UTP • Spec. 8587 • Type CMX OUTDOOR-CMR



PRODUCT NUMBER	PAIRS	AWG	JACKET COLOR	PKG	O.D. (INCHES)	WEIGHT (LBS/KFT)
2137113	4	24	Ivory	PP	0.22	26
2137114	4	24	Light Olive Gray	PP	0.22	26

Data subject to change without notice. Contact your Customer Service Representative for latest information.

Electrical Characteristics

		24 AWG
DC Resistance (max) Ohms/100m (328ft) @ 20˚C		8.9
Mutual Capacitance (nom) pF/ft @ 1kHz		17
Impedance		Ohms
Frequency (f):	.772-100.0 MHz	100 ± 15
Structural Return Loss (SRL)		dB (min)
Frequency (f):	.772-20.0 MHz	23
	20.0-100.0 MHz	23-10 log (f/20)
Delay Skew (max) ns/100m		45
Nominal Velocity of Propagation (NVP) % Speed of Light		70

Frequency	Max Attenuation dB/100m (328ft)	NEXT dB (min)	PS-NEXT dB (min)
772 kHz	1.8	67.0	64
1 MHz	2.0	65.3	62
4 MHz	4.1	56.3	53
8 MHz	5.8	51.8	48
10 MHz	6.5	50.3	47
16 MHz	8.2	47.3	44
20 MHz	9.3	45.8	42
25 MHz	10.4	44.3	41
31.25 MHz	11.7	42.9	39
62.5 MHz	17.0	38.4	35
100 MHz	22.0	35.3	32

Color Code Chart

PAIR NO.	RING CONDUCTOR INSULATION COLOR	TIP CONDUCTOR	
		INSULATION COLOR	BANDMARK
1	Blue	White	Blue
2	Orange	White	Orange
3	Green	White	Green
4	Brown	White	Brown

Product Construction:

Conductors:
- 24 AWG solid bare annealed copper

Insulation:
- Polyolefin

Pairing:
- Varying pair lay

Color Code:
- See chart below

Rip Cord:
- Applied under jacket

Jacket:
- Flame retardant PVC
- Sequential footage marking

Features:
- UL dual listed CMX OUTDOOR-CMR
- CMX OUTDOOR rating enables the wire to be used in outdoor applications
- UL Listed Type CMR for installation in vertical riser and general horizontal applications when installed in accordance with NEC Article 800-51 (b) (g)
- Meets Category 5 transmission requirements
- Suitable for high-speed data transmission (i.e. 100 Mbps, 155 Mbps, etc.)

Applications:
- Voice
- T1
- 10 BASE-T (IEEE 802.3)
- 4/16 Mbps Token Ring (IEEE 802.5)
- 100 VG-AnyLAN
- 100 Mbps TP-PMD (ANSI X3T9.5)
- 100 BASE-T (IEEE 802.3)
- 52/155 Mbps ATM

Compliances:
- ANSI/TIA/EIA 568A (Category 5)
- ANSI/ICEA S-100-685 (Category 5)
- NEMA WC63.1 (Category 5)
- UL Listed Type CMX OUTDOOR-CMR
- c(UL) CMG

Packaging:
- 600' Pull-Pac® Carton (PP)

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