

GenSPEED® 5000 Category 5e Residential CMX Outdoor-CMR Cable

Features And Benefits

- CMX rating allows the cable to be exposed to temperature variations for short distances from the Network Interface Device on the outside of a house to the point where the cable enters the house
- Sunlight-resistant
- Sequential footage markings
- Wax box on 1000' PPCs for increased durability on the job site

Applications

- 1000 BASE-T (Gigabit Ethernet)
- 52/155 Mbps ATM
- 100/10 BASE-T (IEEE 802.3)
- 4/16 Mbps Token Ring (IEEE 802.5)
- T1
- Voice

Standard Compliances

- ANSI/TIA/EIA 568 C.2
- ANSI/ICEA S-100-685
- NEC/CEC Type CMX OUTDOOR-CMR
- RoHS Compliant Directive 2002/95/EC



VERIFIED



CONSTRUCTION

Conductors

- 24 AWG solid bare annealed copper

Insulation

- Polyolefin

Color Code

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

Jacket

- Flame-Retardant PVC

Rip Cord






- Applied longitudinally under jacket

PHYSICAL DATA

	CMR (Non-Plenum)
Nominal Cable Diameter (in)	0.210
Nominal Cable Weight (lbs/1000 ft)	26
Temperature Rating (°C)	
Installation:	-10 to +60
Operation:	-40 to +75

PART NUMBERS

Standard packaging: Pull-Pac® II

Jacket Color	600' Pull-Pac® II	1000' Pull-Pac® II
	CMR (Non-Plenum)	CMR (Non-Plenum)
 Blue		2137160E
 White		2137147E
 Gray	2137114E	2137146E
 Ivory	2137113E	2137143E
 Beige		2137144E

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

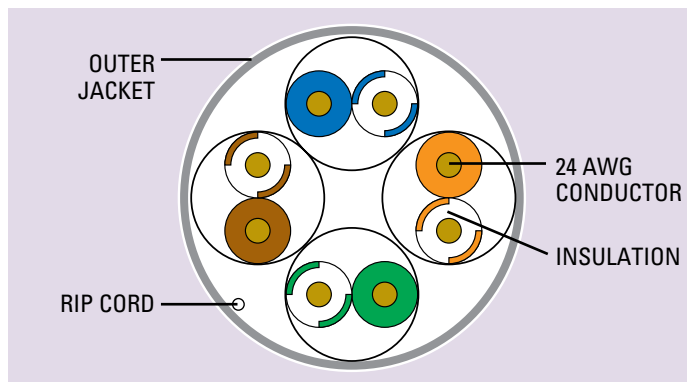
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ELECTRICAL PERFORMANCE

Frequency MHz	PSACR (min)	ACR (min)	Insertion Loss (max)	PSNEXT (min)	NEXT (min)	PSACRF (min)	ACRF (min)	Return Loss (min)
1	60.3	63.3	2.0	62.3	65.3	60.8	63.8	20.0
4	49.2	52.2	4.1	53.3	56.3	48.8	51.8	23.0
10	40.8	43.8	6.5	47.3	50.3	40.8	43.8	25.0
16	36.0	39.0	8.2	44.2	47.2	36.7	39.7	25.0
20	33.5	36.5	9.3	42.8	45.8	34.8	37.8	25.0
25	30.9	33.9	10.4	41.3	44.3	32.8	35.8	24.3
31.25	28.2	31.2	11.7	39.9	42.9	30.9	33.9	23.6
62.5	18.4	21.4	17.0	35.4	38.4	24.9	27.9	21.5
100	10.3	13.3	22.0	32.3	35.3	20.8	23.8	20.1
155	1.4	4.4	28.1	29.4	32.4	17.0	20.0	—
200	—	—	32.4	27.8	30.8	14.8	17.8	—
250	—	—	36.9	26.3	29.3	12.8	15.8	—
300	—	—	41.0	25.1	28.1	11.3	14.3	—
350	—	—	44.9	24.1	27.1	9.9	12.9	—

Note: Values are expressed in dB per 100 m (328 ft.) length. Values above 100 MHz are for information only.

GenSPEED® 5000 CATEGORY 5e CMX OUTDOOR-CMR CROSS-SECTION



ELECTRICAL CHARACTERISTICS

DC Resistance (max) Ohms/100 m (328 ft) @ 20°C	9.38
Mutual Capacitance (nom) pF/ft @ 1 KHz	17
Delay Skew (max) ns/100 m	45
Nom. Velocity of Propagation (NVP) % Speed of Light	70
Impedance Frequency (f):	Ohms 100 ± 15

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, direct buried or aerially lashed.