

# GenSPEED® 6 Category 6 Residential CMX Outdoor-CMR Cable Standards-Compliant

## 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
- Third-party verified for guaranteed performance
- Made in U.S.A.

## Applications

- IEEE 802.3: 1000 BASE-T, 100 BASE-TX, 10 BASE-T, PoE, PoE+
- ANSI/TIA 854: 1000 BASE-TX
- CDDI, Token Ring, ATM
- Digital Video
- Broadband and Baseband Analog Video

## Standard Compliances

- ANSI/TIA 568-C.2
- NEC/CEC Type CMX Outdoor - CMR
- UL 444 Sunlight-Resistant
- UL 444
- RoHS Compliant Directive 2011/65/EU
- ANSI/TIA 862 (Building Automation)
- ICEA S-100-685
- ICEA S-102-700
- ISO/IEC 11801 Ed. 2.0 (Class E)
- Telcordia GR-3164
- Telcordia GR-3164 Severe Cold Impact



## CONSTRUCTION

### Conductors

- 23 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

### Separator

- Divider

### Rip Cord

- Applied longitudinally under jacket

### Jacket






- Flame-Retardant PVC

## PHYSICAL DATA

Nominal Cable Diameter (in)	0.240
Nominal Cable Weight (lbs/1000 ft)	28
Minimum Bend Radius (in)	1.0
Maximum Pulling Force (lbs)	32
Temperature Rating (°C)	
Installation:	-10 to +60
Operation:	-40 to +75

## PART NUMBERS

Standard packaging: Pull-Pac® II

Jacket Color	1000' Pull-Pac® II
 Blue	<b>6137160</b>
 White	<b>6137147</b>
 Gray	<b>6137146</b>
 Ivory	<b>6137143</b>
 Beige	<b>6137144</b>

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

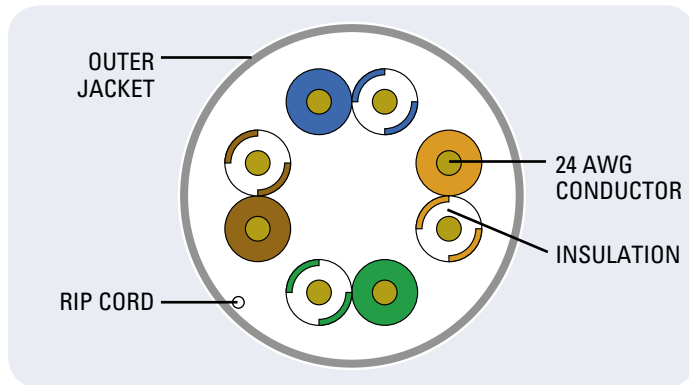
Data subject to change without notice.

**ELECTRICAL PERFORMANCE**

Frequency MHz	PSACR* (min)	ACR* (min)	Insertion Loss (max)	PSNEXT (min)	NEXT (min)	PSACRF (min)	ACRF (min)	Return Loss (min)	TCL (min)	ELTCTL (min)
1	70.3	72.3	2.0	72.3	74.3	64.8	67.8	20.0	40.0	35.0
4	59.3	61.5	3.8	63.3	65.3	52.8	55.7	23.0	40.0	23.0
10	51.3	53.3	6.0	57.3	59.3	44.8	47.8	25.0	40.0	15.0
16	46.7	48.7	7.6	54.2	56.2	40.7	43.7	25.0	38.0	10.9
20	44.3	46.3	8.5	52.8	54.8	38.8	41.7	25.0	37.0	9.0
31.25	39.2	41.2	10.7	49.9	51.9	34.9	37.9	23.6	35.1	—
62.5	29.9	32.0	15.4	45.4	47.4	28.9	31.8	21.5	32.0	—
100	22.5	24.5	19.8	42.3	44.3	24.8	27.8	20.1	30.0	—
150	14.9	16.9	24.7	39.7	41.7	21.3	24.3	18.9	28.2	—
200	8.8	10.8	29.0	37.8	39.8	18.8	21.8	18.0	27.0	—
250	3.5	5.5	32.8	36.3	38.3	16.8	19.8	17.3	26.0	—
350	—	—	39.8	34.1	36.1	13.9	16.9	16.3	—	—
400	—	—	43.0	33.3	35.3	12.8	15.8	15.9	—	—
500	—	—	48.9	31.8	33.8	10.8	13.8	15.2	—	—

Note: Values are expressed in dB per 100 m (328 ft.) length @ 20°C. Results beyond 350 MHz are for reference only.  
\*PSACR & ACR not specified in ANSI/TIA 568-C.2

**GenSPEED® 6 CATEGORY 6 RESIDENTIAL  
CMX OUTDOOR-CMR CROSS-SECTION**



**ELECTRICAL CHARACTERISTICS**

	Max.	Nom.
<b>DC Resistance</b> Ohms/100 m (328 ft) @ 20°C	9.38	7.50
<b>DC Resistance Unbalance</b> Individual Pair %	4.00	< 1
<b>Delay Skew</b> ns/100 m	45	CMR: 35
<b>Nom. Velocity of Propagation</b> % Speed of Light	CMR: 68	
<b>Characteristic Impedance</b> Frequency (f): 1-350 MHz	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.**