

# GenSPEED® 6 MAX Indoor/Outdoor Riser Category 6 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
- CMR rating also allows the cable to be used in traditional indoor CMR installations
- Sunlight-resistant
- Aerial Applications
- Sequential footage markings
- Third-party verified for guaranteed performance

## Applications

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

## Standard Compliances

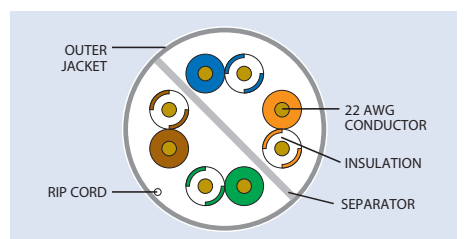
- ANSI/TIA 568.2-E
- NEC/CEC Type CMX Outdoor - CMR
- UL 444 Sunlight-Resistant
- UL 444
- RoHS Compliant Directive 2011/65/EU
- ANSI/TIA 862 (Building Automation)
- ICEA S-100-685
- ICEA S-102-700
- ISO/IEC 11801 Ed. 2.0 (Class E)
- Telcordia GR-3164 Severe Cold Impact

Rev. 1/2025

## 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	35
<b>Nom. Velocity of Propagation</b> % Speed of Light	68	
<b>Characteristic Impedance</b> Frequency (f): 1-350 MHz	Ohms 100 ± 15	

## CROSS-SECTION



## CONSTRUCTION

<b>Conductors</b> • 22 AWG solid bare annealed copper	<b>Separator</b> • Divider
<b>Insulation</b> • Polyolefin	<b>Rip Cord</b> • Applied longitudinally under jacket
<b>Color Code</b> • Pair 1: Blue-White/Blue • Pair 2: Orange-White/Orange • Pair 3: Green-White/Green • Pair 4: Brown-White/Brown	<b>Jacket</b> • Flame-Retardant PVC

## PHYSICAL DATA

Nominal Cable Diameter (in)	0.270
Nominal Cable Weight (lbs/1000 ft)	34
Minimum Bend Radius (in)	1.0
Maximum Pulling Force (lbs)	32
Temperature Rating (°C)	
Installation:	-10 to +60
Operation:	-40 to +75

## ELECTRICAL PERFORMANCE

Frequency MHz	PSACR* (min)	ACR* (min)	Insertion Loss (max)	PSNEXT (min)	NEXT (min)	PSACRF (min)	ACRF (min)	Return Loss (min)	TCL (min)
1	70.4	72.4	1.9	72.3	74.3	64.8	67.8	20.0	40.0
4	59.8	61.8	3.5	63.3	65.3	52.8	55.7	23.0	40.0
10	51.8	53.8	5.5	57.3	59.3	44.8	47.8	25.0	40.0
16	47.2	49.2	7.0	54.2	56.2	40.7	43.7	25.0	38.0
20	44.9	46.9	7.9	52.8	54.8	38.8	41.7	25.0	37.0
31.25	40.0	42.0	9.9	49.9	51.9	34.9	37.9	23.6	35.1
62.5	31.1	33.1	14.3	45.4	47.4	28.9	31.8	21.5	32.0
100	23.9	25.9	18.4	42.3	44.3	24.8	27.8	20.1	30.0
150	16.7	18.7	23.0	39.7	41.7	21.3	24.3	18.9	28.2
200	10.8	12.8	27.0	37.8	39.8	18.8	21.8	18.0	27.0
250	5.7	7.7	30.6	36.3	38.3	16.8	19.8	17.3	26.0
350	—	—	37.0	34.1	36.1	13.9	16.9	16.3	—
400	—	—	40.0	33.3	35.3	12.8	15.8	15.9	—
500	—	—	45.5	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 250MHz are for reference only.  
\*PSACR & ACR not specified in ANSI/TIA 568.2-E

## PART NUMBERS

Standard packaging: 1000' Spool

Jacket Color	CMR (Riser)	Jacket Color	CMR (Riser)
Blue	8133860	Red	8133864
White	8133861	Orange	8133865
Yellow	8133862	Green	8133866
Gray	8133863	Black	8133867

Note: Bulk reels are available as a special request with a maximum allowable length of 3000 feet per reel. Minimum run and lead time may apply. Non-stock items may be subject to minimum order quantities. Other colors available.

