

GenSPEED® 6 MAX™ Category 6 Interlock Armored Cable

The Most Versatile Cable in the Industry



PART NUMBERS

Standard packaging: 1000' Spool

Jacket Color	CMP (Plenum)
Blue	9131860

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.

PHYSICAL DATA

	CMP (Plenum)
Nominal Cable Diameter (in)	0.450
Nominal Cable Weight (lbs/1000 ft)	82
Minimum Bend Radius (in)	5.4
Maximum Pulling Force (lbs)	32
Temperature Rating (°C)	
Installation:	-30 to +60
Operation:	-20 to +105

ELECTRICAL PERFORMANCE

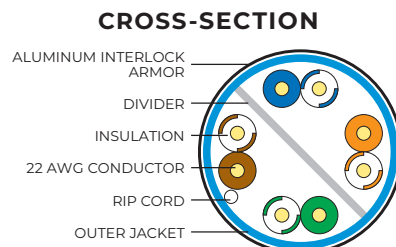
Frequency MHz	PSACR* (min)	ACR* (min)	Insertion Loss (max)	PSNEXT (min)	NEXT (min)	PSAACRF (min)	ACRF (min)	Return Loss (min)	TCL (min)
1	70.4	72.4	1.9	72.3	74.3	64.8	67.8	20.0	40.0
4	59.8	61.8	3.5	63.3	65.3	52.8	55.7	23.0	40.0
10	51.8	53.8	5.5	57.3	59.3	44.8	47.8	25.0	40.0
16	47.2	49.2	7.0	54.2	56.2	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

Note: Values are expressed in dB per 100 m (328 ft.) length @ 20° C.

*PSACR & ACR not specified in ANSI/TIA 568.2-E

ELECTRICAL CHARACTERISTICS

	Max.	Nom.
DC Resistance Ohms/100 m (328 ft) @ 20° C	9.38	6.50
DC Resistance Unbalanced Individual Pair %	4.00	< 1
Delay Skew ns/100 m	45	35
Nom. Velocity of Propagation % Speed of Light	72	
Characteristic Impedance Frequency (f): 1-350 MHz	Ohms 100 ± 15	



CONSTRUCTION:

Conductors

- 22 AWG solid bare annealed copper

Insulation

- Fluoropolymer

Separator

- 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

- Low-Smoke, Flame-Retardant PVC

Features and Benefits

- Interlock armor provides outstanding mechanical protection
- 100% fluoropolymer insulation construction
- Eliminates the need for conduit, reducing installation time
- Single-pull installation
- TRU-MARK® print legend contains footage markings from 1000' to 0'
- Made in U.S.A.

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
- Supports the growth of higher-wattage devices (IT/IP, IoT, and IoE)
- Compatible with new higher-speed, higher-power USB 3.1 SuperSpeed

Standard Compliances

- ANSI/TIA 568.2-E
- TIA TSB-184:2009
- NEC/CEC Type CMP-LP (0.7A) (NFPA 262)
- RoHS Compliant Directive 2011/65/EU
- UL 444
- ANSI/TIA 862 (Building Automation)
- ICEA S-116-732
- ICEA S-102-700
- ISO/IEC 11801 Ed. 2.0 (Class E)