

GenSPEED® 6 Category 6 Interlock Armored Cable

Standards-Compliant



PART NUMBERS

Standard packaging: 1000' or 2000' Spool

Jacket Color	Part Number	Reel
Blue	9133300	1000'
White	9133305	1000'
Blue	9133300.2R	2000'
White	9133305.2R	2000'

PHYSICAL DATA

	CMR (Non-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:	-45 to +75

ELECTRICAL PERFORMANCE

Frequency MHz	Insertion Loss (max)	PSNEXT (min)	Return Loss (min)
1	2.0	74.3	20.0
4	3.8	65.3	23.0
10	6.0	59.3	25.0
16	7.6	56.2	25.0
20	8.5	54.8	25.0
31.25	10.7	51.9	23.6
62.5	15.4	47.4	21.5
100	19.8	44.3	20.1
150	24.7	41.7	18.9
200	29.0	39.8	18.0
250	32.8	38.3	17.3
350	39.8	36.1	16.3
400	43.0	35.3	15.9
500	48.9	33.8	15.2

Note: Values are expressed in dB per 100 m (328 ft.) length @ 20 °C. Results beyond 250 MHz for reference only.

ELECTRICAL CHARACTERISTICS

	Max.	Nom.
DC Resistance Ohms/100 m (328 ft) @ 20 °C	9.38	7.20
DC Resistance Unbalanced Individual Pair %	4.00	< 1
Delay Skew ns/100 m	45	
Nom. Velocity of Propagation % Speed of Light	70	
Characteristic Impedance Frequency (f): 1-250 MHz	Ohms 100 ± 15	

CONSTRUCTION:

Conductors

- 23 AWG solid bare annealed copper

Insulation

- Polyolefin

Separator

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

Separator

- Cross-Web

Rip Cord

- Applied longitudinally under jacket

Jacket

- Flame-Retardant PVC

Features and Benefits

- Interlock armor provides outstanding mechanical protection
- Flexible and easy to install
- Eliminates the need for conduit, reducing installation time
- Single-pull installation
- Application assurance warranty
- 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
- Indoor applications only

Standard Compliances

- ANSI/TIA 568.2-E
- NEC/CEC Type CMR (UL 1666) for Non-Plenum
- UL 444
- RoHS Compliant Directive 2011/65/EU
- ANSI/TIA 862 (Building Automation)
- ICEA S-116-732
- ICEA S-102-700
- ISO/IEC 11801 Ed. 2.0 (Class E)

CROSS-SECTION

