

GenSPEED® 6 Category 6 Interlock Armored Cable

Standards-Compliant

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+
- 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-C.2
- 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)



CONSTRUCTION

Conductors

- 23 AWG solid bare annealed copper

Insulation

- Polyolefin

Rip Cord

- Applied longitudinally under jacket

Color Code

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

Separator

- Cross-web

Jacket

- Flame-Retardant PVC

PHYSICAL DATA

	CMR (Non-Plenum)
	1 Cable
Nominal Cable Diameter (in)	0.450
Nominal Cable Weight (lbs/1000 ft)	67.8
Minimum Bend Radius (in)	5.40
Maximum Pulling Force (lbs)	32
Temperature Rating (°C)	
Installation:	0 to +60
Operation:	-20 to +75

PART NUMBERS

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

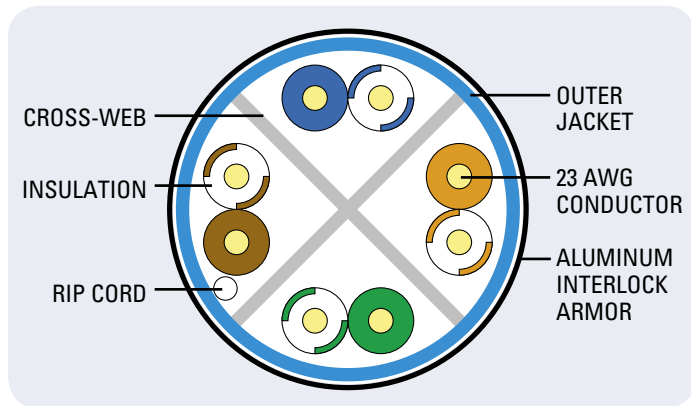
Data subject to change without notice.

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 for reference only.
 *PSACR & ACR not specified in ANSI/TIA 568-C.2

GenSPEED® 6 INTERLOCK ARMORED CABLE CROSS-SECTION



ELECTRICAL CHARACTERISTICS

	Max.	Nom.
DC Resistance Ohms/100 m (328 ft) @ 20°C	9.38	7.20
DC Resistance Unbalance Individual Pair %	4.00	< 1
Delay Skew ns/100 m	45	40
Nom. Velocity of Propagation % Speed of Light	70	
Characteristic Impedance Frequency (f): 1-250 MHz	Ohms 100 ± 15	