

GenSPEED® 6 Category 6 Interlock Armored Cable

Features And Benefits

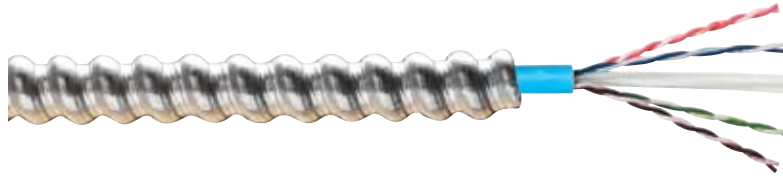
- Interlock armor provides outstanding mechanical protection
- Flexible and easy to install
- Eliminates the need for conduit, reducing installation time
- Single-pull installation
- Application assurance warranty

Applications

- IEEE 802.3: 1000 BASE-T (Gigabit Ethernet), 100 BASE-TX, 10 BASE-T
- ANSI/TIA/EIA 854: 100 BASE-TX
- 155 Mp/s, 1.2 Gb/s ATM
- ANSI X3.263: 100 Mb/s
- Indoor applications only

Standard Compliances

- ANSI/TIA/EIA 568 B.2-1
- ANSI/TIA/EIA 862 (Building Automation)
- ISO/IEC 11801 Ed. 2.0 (Class E)
- ICEA S-102-700 (Category 6)
- UL 444



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

Jacket

- Flame-Retardant PVC

PHYSICAL DATA

	CMR (Non-Plenum)
	1 Cable
Nominal Cable Diameter (in)	0.450
Nominal Cable Weight (lbs/1000ft)	67.8
Minimum Bend Radius (in)	1.0
Maximum Pulling Force (lbs)	25
Temperature Rating (°C)	
Installation:	0 to +60
Operation:	-20 to +75

PART NUMBERS

Color	Part Number	Spool	
		Unit 1	Reel
Blue	9133300	6R Blue	1000' reel
Blue	9133300.2R	6R Blue	2000' reel
White	9133305	6R White	1000' reel
White	9133305.2R	6R White	2000' reel

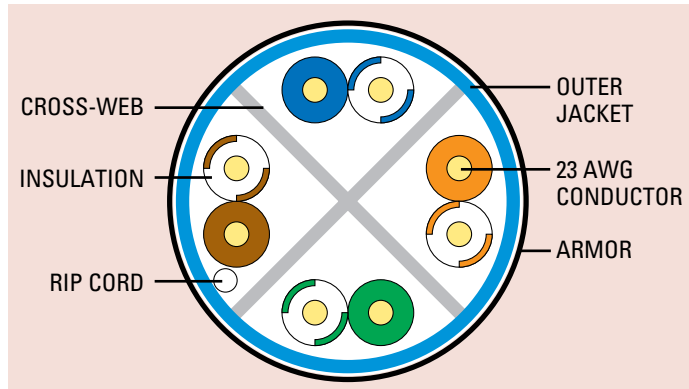
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ELECTRICAL PERFORMANCE

	PSACR (min)	ACR (min)	Attenuation (max)	PSNEXT (min)	NEXT (min)	PSELFEXT (min)	ELFEXT (min)	Return Loss (min)	LCL (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	5.1
62.5	29.9	32.0	15.4	45.4	47.4	28.9	31.8	21.5	32.0	5.0
100	22.5	24.5	19.8	42.3	44.3	24.8	27.8	20.1	30.0	5.0
150	14.9	16.9	24.7	39.7	41.7	21.3	24.3	18.9	28.2	5.0
200	8.8	10.8	29.0	37.8	39.8	18.8	21.8	18.0	27.0	5.0
250	3.5	5.5	32.8	36.3	38.3	16.8	19.8	17.3	26.0	5.0
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 100m (328 ft.) length. Results beyond 250 MHz are for reference only.

GenSPEED® 6 INTERLOCK ARMORED CABLE CROSS-SECTION



ELECTRICAL CHARACTERISTICS

DC Resistance (max) Ohms/100m (328ft) @ 20°C	9.38
DC Resistance Unbalance (max) Individual Pair %	3.0
Delay Skew (max) ns/100m	45
Nom. Velocity of Propagation % Speed of Light	CMR: 70
Characteristic Impedance Frequency (f): 1-250 MHz	Ohms 100 ± 15