

GenSPEED® 5000 Category 5e 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

Applications

- IEEE 802.3: 1000 BASE-T (Gigabit Ethernet), 100 BASE-TX, 10 BASE-T
- 52/155 Mp/s ATM
- ANSI X3.263: 100 Mb/s
- 4/16 Mb/s Token Ring
- Indoor applications only

Standard Compliances

- ANSI/TIA/EIA 568 C.2
- ANSI/TIA/EIA 862 (Building Automation)
- ISO/IEC 11801 Ed. 2.0 (Class D)
- ICEA S-90-661 (Category 5e)
- NEC/CEC Type CMR (UL 1666) for Non-Plenum
- RoHS Compliant Directive 2002/95/EC



CONSTRUCTION

Conductors

- 24 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	2 Cables
Nominal Cable Diameter (in)	0.450	0.620
Nominal Cable Weight (lbs/1000 ft)	58.5	96.0
Minimum Bend Radius (in)	1.0	1.0
Maximum Pulling Force (lbs)	25	25
Temperature Rating (°C)	0 to +60	
Installation:	-20 to +75	
Operation:	-20 to +75	

PART NUMBERS

Color	Part Number	Reel		Reel
		Unit 1	Unit 2	
Blue	8133300	5000R Blue		1000' reel
Blue	8133300.2R	5000R Blue		2000' reel
Blue/Blue	8133301	5000R Blue	5000R Blue	1000' reel
Blue/Blue	8133301.2R	5000R Blue	5000R Blue	2000' reel
Blue/White	8133307	5000R Blue	5000R White	1000' reel
Blue/White	8133307.2R	5000R Blue	5000R White	2000' reel
White	8133305	5000R White		1000' reel
White	8133305.2R	5000R White		2000' reel
White/White	8133306	5000R White	5000R White	1000' reel
White/White	8133306.2R	5000R White	5000R White	2000' reel

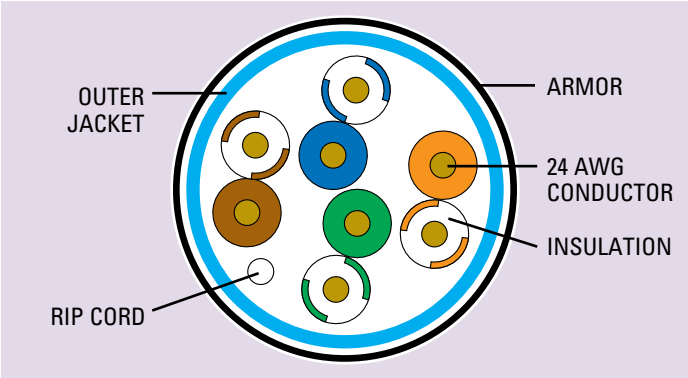
Data subject to change without notice.

ELECTRICAL PERFORMANCE

Frequency MHz	PSACR (min)	ACR (min)	Insertion Loss (max)	PSNEXT (min)	NEXT (min)	PSACRF (min)	ACRF (min)	Return Loss (min)
1	60.3	63.3	2.0	62.3	65.3	60.8	63.8	20.0
4	49.2	52.2	4.1	53.3	56.3	48.8	51.8	23.0
10	40.8	43.8	6.5	47.3	50.3	40.8	43.8	25.0
16	36.0	39.0	8.2	44.2	47.2	36.7	39.7	25.0
20	33.5	36.5	9.3	42.8	45.8	34.8	37.8	25.0
25	30.9	33.9	10.4	41.3	44.3	32.8	35.8	24.3
31.25	28.2	31.2	11.7	39.9	42.9	30.9	33.9	23.6
62.5	18.4	21.4	17.0	35.4	38.4	24.9	27.9	21.5
100	10.3	13.3	22.0	32.3	35.3	20.8	23.8	20.1

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

GenSPEED® 5000 CATEGORY 5e INTERLOCK ARMORED CROSS-SECTION



ELECTRICAL CHARACTERISTICS

DC Resistance (max) Ohms/100 m (328 ft) @ 20°C	8.9
DC Resistance Unbalance (max) Individual Pair %	3.0
Mutual Capacitance (nom) pF/ft @ 1 KHz	14
Delay Skew (max) ns/100 m	45
Nom. Velocity of Propagation % Speed of Light	CMR: 70
Characteristic Impedance Frequency (f): 1-100 MHz	Ohms 100 ± 15