

# 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 B.2 (Category 5e)
- ANSI/TIA/EIA 862 (Building Automation)
- ISO/IEC 11801 Ed. 2.0 (Class D)
- ICEA S-90-661 (Category 5e)
- 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/1000ft)	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	<b>8133300</b>	5000R Blue		1000' reel
Blue	<b>8133300.2R</b>	5000R Blue		2000' reel
Blue/Blue	<b>8133301</b>	5000R Blue	5000R Blue	1000' reel
Blue/Blue	<b>8133301.2R</b>	5000R Blue	5000R Blue	2000' reel
Blue/White	<b>8133307</b>	5000R Blue	5000R White	1000' reel
Blue/White	<b>8133307.2R</b>	5000R Blue	5000R White	2000' reel
White	<b>8133305</b>	5000R White		1000' reel
White	<b>8133305.2R</b>	5000R White		2000' reel
White/White	<b>8133306</b>	5000R White	5000R White	1000' reel
White/White	<b>8133306.2R</b>	5000R White	5000R White	2000' reel

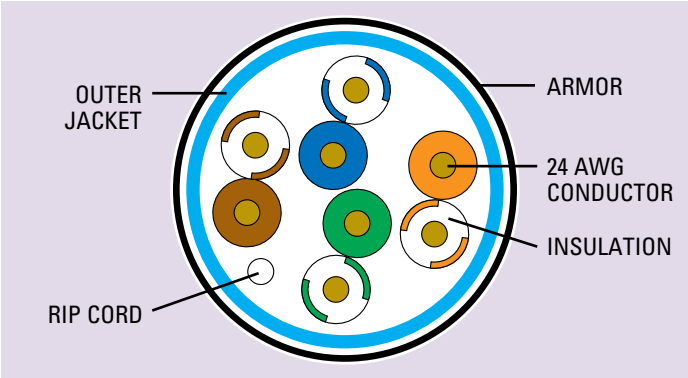
Data subject to change without notice.

**ELECTRICAL PERFORMANCE**

Frequency MHz	PSACR (min)	ACR (min)	Attenuation (max)	PSNEXT (min)	NEXT (min)	PSELFEXT (min)	ELFEXT (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 100m (328 ft.) length.

**GenSPEED® 5000 CATEGORY 5e INTERLOCK ARMORED CROSS-SECTION**



**ELECTRICAL CHARACTERISTICS**

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