

# GenSPEED® 5000 Category 5e 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
- Made in U.S.A.

### Applications

- IEEE 802.3: 1000 BASE-T, 100 BASE-TX, 10 BASE-T, PoE, PoE+
- CDDI, Token Ring, ATM
- 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-90-661
- ISO/IEC 11801 Ed. 2.0 (Class D)



### 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

#### Armor

- Aluminum interlock armor

### 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)	5.40	7.44
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

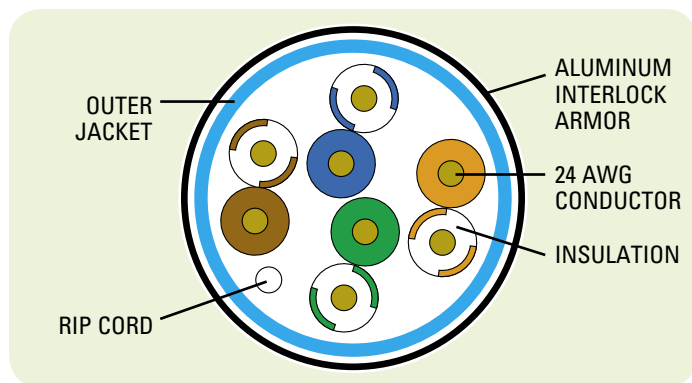
Data subject to change without notice.

**ELECTRICAL PERFORMANCE**

Frequency MHz	PSACR* (min)	ACR* (min)	Insertion Loss (max)	PSNEXT (min)	NEXT (min)	PSACRF (min)	ACRF (min)	Return Loss (min)
<b>1</b>	60.3	63.3	2.0	62.3	65.3	60.8	63.8	20.0
<b>4</b>	49.2	52.2	4.1	53.3	56.3	48.8	51.8	23.0
<b>10</b>	40.8	43.8	6.5	47.3	50.3	40.8	43.8	25.0
<b>16</b>	36.0	39.0	8.2	44.2	47.2	36.7	39.7	25.0
<b>20</b>	33.5	36.5	9.3	42.8	45.8	34.8	37.8	25.0
<b>25</b>	30.9	33.9	10.4	41.3	44.3	32.8	35.8	24.3
<b>31.25</b>	28.2	31.2	11.7	39.9	42.9	30.9	33.9	23.6
<b>62.5</b>	18.4	21.4	17.0	35.4	38.4	24.9	27.9	21.5
<b>100</b>	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 @ 20°C.  
\*PSACR & ACR not specified in ANSI/TIA 568-C.2

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



**ELECTRICAL CHARACTERISTICS**

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