

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

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

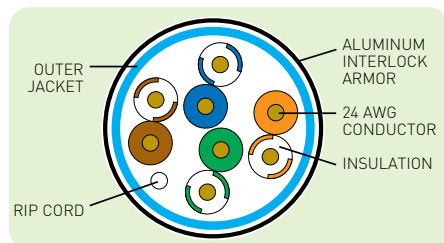
Standard Compliances

- ANSI/TIA 568.2-D
- 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)

ELECTRICAL CHARACTERISTICS

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

CROSS-SECTION



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)		
Installation:	0 to +60	
Operation:	-20 to +75	

ELECTRICAL PERFORMANCE

Frequency MHz	Insertion Loss (max)	NEXT (min)	Return Loss (min)
1	2.0	65.3	20.0
4	4.1	56.3	23.0
10	6.5	50.3	25.0
16	8.2	47.2	25.0
20	9.3	45.8	25.0
25	10.4	44.3	24.3
31.25	11.7	42.9	23.6
62.5	17.0	38.4	21.5
100	22.0	35.3	20.1

Note: Values are expressed in dB per 100 m (328 ft.) length @ 20 °C.
*PSACR & ACR not specified in ANSI/TIA 568.2-D

PART NUMBERS

		Reel			
Color	Part Number	Unit 1	Unit 2	Reel	
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.