

GenSPEED® 5000 with 17 FREE™ Category 5e Cable



Features And Benefits

- No halogens
- Less toxic
- More environmentally friendly
- Increased flexibility for easy installation
- Engineered to provide stable and continuous performance
- Performance guaranteed to 200 MHz
- TRU-Mark® print legend contains footage markings from 1000' to 0'
- Third-party verified for guaranteed performance
- Made in U.S.A.

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
- IEEE 802.3af DTE Power (PoE)
- IEEE 802.3at for PoE Plus
- Broadband and Baseband Analog Video

Standard Compliances

- ANSI/TIA 568-C.2
- ANSI/TIA 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
- UL 444
- IEC 60754-2



VERIFIED

RoHS Compliant
Directive 2002/95/EC

Data subject to change without notice.



CONSTRUCTION

Conductors

- 24 AWG solid bare annealed copper

Insulation

- Non-Plenum: Polyolefin

Color Code

- Pair 1: Blue-White/Blue
- Pair 2: Orange-White/Orange
- Pair 3: Green-White/Green
- Pair 4: Brown-White/Brown

Jacket

- Non-Plenum: Zero-Halogen Polyolefin

PHYSICAL DATA

	CMR (Non-Plenum)
Nominal Cable Diameter (in)	0.200
Nominal Cable Weight (lbs/1000 ft)	22
Minimum Bend Radius (in)	1.0
Maximum Pulling Force (lbs)	25
Temperature Rating (°C)	
Installation:	-10 to +60
Operation:	-20 to +75

PART NUMBERS

Standard packaging: 1000' Pull-Pac® II with environmentally friendly packaging. Spool-Pac® and Spool by special order.

Jacket Color	Pull-Pac® II	Spool-Pac®	Spool
	CMR (Non-Plenum)	CMR (Non-Plenum)	CMR (Non-Plenum)
Blue	5133299E-17F	5133374E-17F	5133300E-17F
White	5133255E-17F	5133342E-17F	5133250E-17F
Yellow	5133289E-17F	5133448E-17F	
Gray	5133200E-17F	5133329E-17F	5133204E-17F
Red	5133274E-17F	5133427E-17F	
Orange	5133383E-17F		5133667E-17F
Green	5133512E-17F	5133693E-17F	5133649E-17F
Black	5133696E-17F		
Purple	5133445E-17F		

Note: Bulk reels are available as a special request with a maximum allowable length of 3000 feet per reel. Minimum run and lead time may apply.

Non-stock items may be subject to minimum order quantities.



GenSPEED® 5000 with 17 FREE™ ELECTRICAL PERFORMANCE

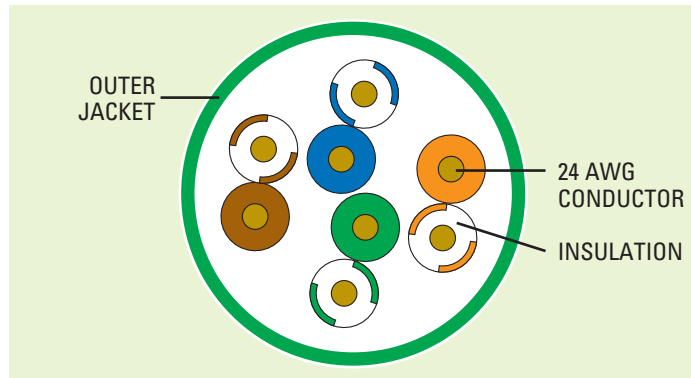
Frequency MHz	PSACR* (min)	ACR* (min)	Insertion Loss (max)	PSNEXT (min)	NEXT (min)	PSACRF (min)	ACRF (min)	Return Loss (min)
1	60.3	63.3	2.0	62.3	65.3	60.8	63.8	20.0
4	49.2	52.2	4.1	53.3	56.3	48.8	51.8	23.0
10	40.8	43.8	6.5	47.3	50.3	40.8	43.8	25.0
16	36.0	39.0	8.2	44.2	47.2	36.7	39.7	25.0
20	33.5	36.5	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
155	1.4	4.4	28.1	29.4	32.4	17.0	20.0	18.8
200	—	—	32.4	27.8	30.8	14.8	17.8	18.0
250	—	—	36.9	26.3	29.3	12.8	15.8	17.3
300	—	—	41.0	25.1	28.1	11.3	14.3	16.8
350	—	—	44.9	24.1	27.1	9.9	12.9	16.3

Note: Values are expressed in dB per 100 m (328 ft.) length @ 20°C. Values above 200 MHz are for information only.

Spec meets ANSI/TIA 568-C.2 standard for Cat 5e UTP cabling.

*PSACR & ACR not specified in ANSI/TIA 568-C.2

GenSPEED® 5000 with 17 FREE™ CATEGORY 5e 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 (max) pF/ft @ 1 KHz	17
Delay Skew (max) ns/100 m	45
Nom. Velocity of Propagation % Speed of Light	CMR: 70
Characteristic Impedance Frequency (f): 1-200 MHz	Ohms 100 ± 15



Going Green with General Cable

General Cable has accelerated its environmental commitment, addressing its green alternative approach by identifying greener opportunities and promoting green cabling solutions wherever feasible. This includes promoting our existing green products, partnering with key customers in their green endeavors, identifying and providing resources for green product gaps, becoming a member of the U.S. Green Building Council (USGBC) and participating in collaborative ventures such as the Green Suppliers Network (GSN).