

CATEGORY 5e CABLE

GenSPEED® 5000

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)
- UL & c(UL) Type CMR (UL 1666) for Non-Plenum
- UL & c(UL) Type CMP (NFPA 262) for Plenum
- UL 444



APPLICATIONS

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

CONSTRUCTION

Conductors

- 24 AWG solid bare annealed copper

Insulation

- Non-Plenum: Polyolefin
- Plenum: 3 pairs FEP/ 1 pair Polyolefin

Color Code

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

Rip Cord

- Applied longitudinally under jacket

Jacket

- Non-Plenum: Flame-Retardant PVC
- Plenum: Low-Smoke, Flexguard® Flame-Retardant PVC

PHYSICAL DATA

	CMR (Non-Plenum)	CMP (Plenum)
Nominal Cable Diameter (in)	0.200	0.180
Nominal Cable Weight (lbs/1000ft)	21	19
Minimum Bend Radius (in)	1.0	1.0
Maximum Pulling Force (lbs)	25	25
Temperature Rating (°C)		
Installation:	0 to +60	0 to +60
Operation:	-10 to +60	-10 to +60

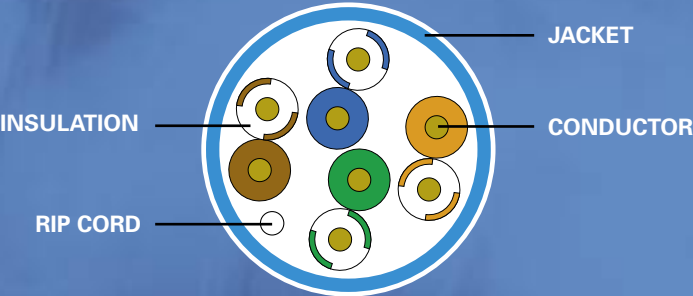
ELECTRICAL CHARACTERISTICS

DC Resistance (max) Ohms/100m (328ft) @ 20°C	8.9
DC Resistance Unbalance (max) Individual Pair %	3.0
Mutual Capacitance (nom) PF/ft @ 1KHz	14
Delay Skew (max) ns/100m	45
Nom. Velocity of Propagation % Speed of Light	CMP: 72 CMR: 70
Characteristic Impedance Frequency (f): 1-100 MHz	Ohms 100 ± 15

FEATURES AND BENEFITS

- Positive PSACR beyond 155 MHz for future bandwidth requirements
- Characterized and tested to 350 MHz
- TRU-Mark® print legend contains footage markings from 1000' to 0'
- Unique product-specific packaging for ease of identification
- UL verified for guaranteed performance
- Application assurance warranty

GENSPEED 5000 CABLE CROSS-SECTION



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
155	1.4	4.4	28.1	29.4	32.4	17.0	20.0	—
200	—	—	32.4	27.8	30.8	14.8	17.8	—
250	—	—	36.9	26.3	29.3	12.8	15.8	—
300	—	—	41.0	25.1	28.1	11.3	14.3	—
350	—	—	44.9	24.1	27.1	9.9	12.9	—

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

PART NUMBERS

Standard packaging: 1000' Pull-Pac® II

Jacket Color	Pull-Pac® II		Spool-Pac®		Spool	
	CMR (Non-Plenum)	CMP (Plenum)	CMR (Non-Plenum)	CMP (Plenum)	CMR (Non-Plenum)	CMP (Plenum)
Blue	5133299E	5131278E	5133374E	5131431E	5133300E	5131282E
White	5133255E	5131361E	5133342E	5131450E	5133250E	5131365E
Yellow	5133289E	5131379E	5133448E	5131546E		5131648E
Gray	5133200E	5131418E	5133329E	5131456E	5133204E	5131475E
Red	5133274E	5131477E	5133427E	5131553E		5131383E
Orange	5133383E	5131422E			5133667E	
Green	5133512E	5131547E	5133693E	5131575E		
Black	5133696E	5131683E				
Pink	5133290E	5131380E	5133447E	5131478E		
Purple	5133445E	5131730E				

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.

Data subject to change without notice.