

# GenSPEED® 6 with 17 FREE® Category 6 Cable

## Standards-Compliant



### CONSTRUCTION

#### Conductors

- 23 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

#### Separator

- Divider

#### Jacket

- Non-Plenum: Zero-Halogen Polyolefin

### PHYSICAL DATA

	CMR (Non-Plenum)
Nominal Cable Diameter (in)	0.230
Nominal Cable Weight (lbs/1000 ft)	27
Minimum Bend Radius (in)	1.0
Maximum Pulling Force (lbs)	32
Temperature Rating (°C)	
Installation:	-10 to +60
Operation:	-20 to +75

### ELECTRICAL PERFORMANCE

Frequency MHz	Insertion Loss (max)	NEXT (min)	Return Loss (min)
1	2.0	74.3	20.0
4	3.8	65.3	23.0
10	6.0	59.3	25.0
16	7.6	56.2	25.0
20	8.5	54.8	25.0
31.25	10.7	51.9	23.6
62.5	15.4	47.4	21.5
100	19.8	44.3	20.1
150	24.7	41.7	18.9
200	29.0	39.8	18.0
250	32.8	38.3	17.3
350	39.8	36.1	16.3
400	43.0	35.3	15.9
500	48.9	33.8	15.2

Note: Values are expressed in dB per 100 m (328 ft.) length @ 20°C. Results beyond 350 MHz are for reference only.

### 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	7133800-17F	7133840-17F	7133860-17F
White	7133801-17F	7133841-17F	7133861-17F
Yellow	7133802-17F	7133842-17F	7133862-17F
Gray	7133803-17F	7133843-17F	7133863-17F
Red	7133804-17F	7133844-17F	7133864-17F
Orange	7133805-17F	7133845-17F	7133865-17F
Green	7133806-17F	7133846-17F	7133866-17F
Black	7133807-17F	7133847-17F	7133867-17F
Purple	7133809-17F	7133859-17F	7133869-17F

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.

Data subject to change without notice.

### Features and Benefits

- No halogens
- Less toxic
- More environmentally friendly
- Increased flexibility for easy installation
- Unique tape design engineered for consistent electrical performance
- Performance guaranteed to 350 MHz
- TRU-Mark® print legend contains footage markings from 1000' to 0'
- Third-party verified for guaranteed performance

### Applications

- IEEE 802.3: 1000 BASE-T, 100 BASE-TX, 10 BASE-T, PoE, PoE+
- ANSI/TIA 854: 1000 BASE-TX
- CDDI, Token Ring, ATM
- Digital Video
- Broadband and Baseband Analog Video

### 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-116-732
- ICEA S-102-700
- ISO/IEC 11801 Ed. 2.0 (Class E)
- IEC 60754-1
- IEC 60754-2
- IEC 61034-2

### ELECTRICAL CHARACTERISTICS

	Max.	Nom.
<b>DC Resistance</b> Ohms/100 m (328 ft) @ 20°C	9.38	7.50
<b>DC Resistance Unbalance</b> Individual Pair %	4.00	< 1
<b>Delay Skew</b> ns/100 m	45	30
<b>Nom. Velocity of Propagation</b> % Speed of Light	68	
<b>Characteristic Impedance</b> Frequency (f): 1-350 MHz	Ohms 100 ± 15	

### CROSS-SECTION

