

# GenSPEED® Category 5e Quick Reference Guide

JACKET COLOR	PACKAGE	STANDARD		ENHANCED		PREMIUM	
		Category 5e GenSPEED® 5000 (p. 32)		Category 5e GenSPEED® 5350 Enhanced (p. 30)		Category 5e GenSPEED® 5500 Premium (p. 29)	
		CMR	CMP	CMR	CMP	CMR	CMP
<b>Blue</b>							
	Pull-Pac®	5133299E	5131278E	6133712	6131690	6133299	6131278
	Spool-Pac®	5133374E	5131431E	6133707	6131688	6133403	6131433
	Spool	5133300E	5131282E	6133703	6131686	6133282	6131282
<b>White</b>							
	Pull-Pac®	5133255E	5131361E	6133713	6131691	6133255	6131361
	Spool-Pac®	5133342E	5131450E	6133708	6131689	6133339	6131449
	Spool	5133250E	5131365E	6133704	6131687	6133492	6131618
<b>Yellow</b>							
	Pull-Pac®	5133289E	5131379E	6133715	6131693	6133289	6131546
	Spool-Pac®	5133448E	5131546E	6133717	6131695	6133369	6131379
	Spool		5131648E	6133719	6131697	6133348	6131382
<b>Gray</b>							
	Pull-Pac®	5133200E	5131418E	6133714	6131692	6133200	6131418
	Spool-Pac®	5133329E	5131456E	6133716	6131694	6133331	6131619
	Spool	5133204E	5131475E	6133718	6131696	6133334	
<b>Red</b>							
	Pull-Pac®	5133274E	5131477E			6133274	6131477
	Spool-Pac®	5133427E	5131553E	6133732	6131732	6133635	6131635
	Spool		5131383E	6133782	6131782		
<b>Orange</b>							
	Pull-Pac®	5133383E	5131422E	6133761	6131761	6133746	6131422
	Spool-Pac®			6133833	6131833	6133383	6131576
	Spool	5133667E		6133733	6131733		
<b>Green</b>							
	Pull-Pac®	5133512E	5131547E	6133699	6131699	6133512	6131547
	Spool-Pac®	5133693E	5131575E	6133731	6131731	6133615	6131575
	Spool	5133649E	5131649E	6133700	6131700	6133616	6131757
<b>Black</b>							
	Pull-Pac®	5133696E	5131683E		6131707	6133696	6131683
	Spool-Pac®	6133650E					6131829
	Spool	6133726E	5131689E				
<b>Pink</b>							
	Pull-Pac®	5133290E	5131380E			6133290	6131709
	Spool-Pac®	5133447E	5131478E			6133447	6131478
	Spool					6133341	
<b>Purple</b>							
	Pull-Pac®	5133445E	5131730E		6131698	6133445	6131710
	Spool-Pac®					6133446	
	Spool						

Note: Non-stock items may be subject to minimum order quantities.  
 \* Bulk reels are available in 2000' (2R) and 3000' (3R) lengths.

# GenSPEED® 5500 Premium Category 5e Cable

## Enhanced Transmission Throughput

### Features and Benefits

- Ensures increased headroom for future applications, lower bit-error rates, and higher signal transmission quality
- Enhanced signal-to-noise ratio, improving bit-error rate
- 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+
- CDDI, Token Ring, ATM
- Broadband and Baseband Analog Video

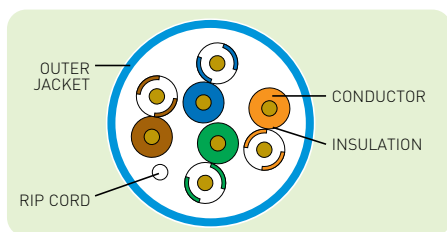
### Standard Compliances

- ANSI/TIA 568.2-D
- NEC/CEC Type CMR (UL 1666) for Non-Plenum
- NEC/CEC Type CMP (NFPA 262) for 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

<b>DC Resistance (max)</b> Ohms/100 m (328 ft) @ 20°C	8.9
<b>DC Resistance Unbalance (max)</b> Individual Pair %	3.0
<b>Delay Skew (max)</b> ns/100 m	45
<b>Nom. Velocity of Propagation</b> % Speed of Light	CMP: 72 CMR: 70
<b>Characteristic Impedance</b> Frequency (f): 1-350 MHz	Ohms 100 ± 15

### CROSS-SECTION



### CONSTRUCTION

#### Conductors

- 23 AWG CMR solid bare annealed copper
- 24 AWG CMP solid bare annealed copper

#### Insulation

- Non-Plenum: Polyolefin
- Plenum: Fluoropolymer

#### Color Code

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

#### Rip Cord

- Applied longitudinally under jacket

#### Jacket

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

### PHYSICAL DATA

	CMR (Non-Plenum)	CMP (Plenum)
Nominal Cable Diameter (in)	0.220	0.190
Nominal Cable Weight (lbs/1000 ft)	24	21
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:	-20 to +75	-20 to +75

### ELECTRICAL PERFORMANCE

Frequency MHz	Insertion Loss (max)	NEXT (min)	Return Loss (min)
1	2.0	70.3	20.0
4	3.9	61.3	23.0
10	6.2	55.3	25.0
16	7.9	52.2	25.0
20	8.9	50.8	25.0
25	10.0	49.3	24.3
31.25	11.2	47.9	23.6
62.5	16.3	43.4	21.5
100	21.0	40.3	20.1
155	26.9	37.4	18.8
200	31.0	35.8	18.0
250	35.3	34.3	17.3
300	39.2	33.1	16.8
350	42.9	32.1	16.3

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

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	6133299	6131278	6133403	6131433	6133282	6131282
White	6133255	6131361	6133339	6131449	6133492	6131618
Yellow	6133289	6131546	6133369	6131379	6133348	6131382
Gray	6133200	6131418	6133331	6131619	6133334	
Red	6133274	6131477	6133635	6131635		
Orange	6133746	6131422	6133383	6131576		
Green	6133512	6131547	6133615	6131575	6133616	6131757
Black	6133696	6131683		6131829		
Pink	6133290	6131709	6133447	6131478	6133341	
Purple	6133445	6131710	6133446			

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.