

# GenSPEED® 5350 Enhanced Category 5e Cable

## Features And Benefits

- For applications that require optimal Cat 5e performance with flexibility for the future
- Performance guaranteed to 350 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
- 155 Mp/s, 622 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
- NEC/CEC Type CMP (NFPA 262) for Plenum
- RoHS Compliant Directive 2002/95/EC
- UL 444



Data subject to change without notice.



## CONSTRUCTION

### Conductors

- 24 AWG 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)        | 0.200            | 0.190        |
| Nominal Cable Weight (lbs/1000 ft) | 20               | 22           |
| 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   |

## 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         | 6133712          | 6131690      | 6133707          | 6131688      | 6133703          | 6131686      |
| White        | 6133713          | 6131691      | 6133708          | 6131689      | 6133704          | 6131687      |
| Yellow       | 6133715          | 6131693      | 6133717          | 6131695      | 6133719          | 6131697      |
| Gray         | 6133714          | 6131692      | 6133716          | 6131694      | 6133718          | 6131696      |
| Red          |                  |              |                  | 6131732      |                  |              |
| Orange       | 6133761          |              |                  |              |                  | 6131733      |
| Green        |                  | 6131699      |                  | 6131731      |                  | 6131700      |
| Black        |                  | 6131707      |                  |              |                  |              |
| Pink         |                  |              |                  |              |                  |              |
| Purple       |                  |              |                  |              |                  |              |

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.

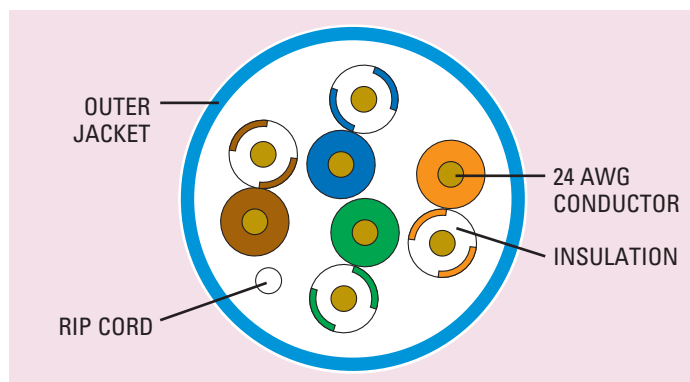
Non-stock items may be subject to minimum order quantities.

## GenSPEED® 5350 ELECTRICAL PERFORMANCE

| Frequency<br>MHz | PSACR*<br>(min) | ACR*<br>(min) | Insertion Loss<br>(max) | PSNEXT<br>(min) | NEXT<br>(min) | PSACRF<br>(min) | ACRF<br>(min) | Return Loss<br>(min) |
|------------------|-----------------|---------------|-------------------------|-----------------|---------------|-----------------|---------------|----------------------|
| 1                | 63.3            | 64.3          | 2.0                     | 65.3            | 66.3          | 61.0            | 64.0          | 20.0                 |
| 4                | 52.3            | 53.3          | 4.0                     | 56.3            | 57.3          | 49.0            | 52.0          | 23.0                 |
| 10               | 43.9            | 44.9          | 6.4                     | 50.3            | 51.3          | 41.0            | 44.0          | 25.0                 |
| 16               | 39.1            | 40.1          | 8.1                     | 47.2            | 48.2          | 36.9            | 39.9          | 25.0                 |
| 20               | 36.6            | 37.6          | 9.2                     | 45.8            | 46.8          | 35.0            | 38.0          | 25.0                 |
| 25               | 34.0            | 35.0          | 10.3                    | 44.3            | 45.3          | 33.0            | 36.0          | 24.3                 |
| 31.25            | 31.3            | 32.3          | 11.6                    | 42.9            | 43.9          | 31.1            | 34.1          | 23.6                 |
| 62.5             | 21.6            | 22.6          | 16.8                    | 38.4            | 39.4          | 25.1            | 28.1          | 21.5                 |
| 100              | 13.6            | 14.6          | 21.7                    | 35.3            | 36.3          | 21.0            | 24.0          | 20.1                 |
| 155              | 4.7             | 5.7           | 27.7                    | 32.4            | 33.4          | 17.2            | 20.2          | —                    |
| 200              | —               | —             | 32.0                    | 30.8            | 31.8          | 15.0            | 18.0          | —                    |
| 250              | —               | —             | 36.4                    | 29.3            | 30.3          | 13.0            | 16.0          | —                    |
| 300              | —               | —             | 40.5                    | 28.1            | 29.1          | 11.5            | 14.5          | —                    |
| 350              | —               | —             | 44.3                    | 27.1            | 28.1          | 10.1            | 13.1          | —                    |

Note: Values are expressed in dB per 100 m (328 ft.) length @ 20°C.  
\*PSACR & ACR not specified in ANSI/TIA 568-C.2

## GenSPEED® 5350 ENHANCED CATEGORY 5e CROSS-SECTION



## ELECTRICAL CHARACTERISTICS

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