

GenSPEED® 5000 Category 5e Cable

Standards-Compliant Extended Frequency

Features and Benefits

- 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, 100 BASE-TX, 10 BASE-T, PoE, PoE+
- CDDI, Token Ring, ATM
- Broadband and Baseband Analog Video

Standard Compliances

- ANSI/TIA 568-C.2
- 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)



CONSTRUCTION

Conductors

- 24 AWG solid bare annealed copper

Insulation

- Non-Plenum: Polyolefin
- Plenum: Fluoropolymer/Dual-Layer Polyolefin

Rip Cord

- Applied longitudinally under jacket

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

PHYSICAL DATA

| | CMR (Non-Plenum) | CMP (Plenum) |
|------------------------------------|------------------|--------------|
| Nominal Cable Diameter (in) | 0.195 | 0.180 |
| Nominal Cable Weight (lbs/1000 ft) | 19 | 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 |

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 | 5133649E | 5131649E |
| Black | 5133696E | 5131683E | | | | 5131689E |
| 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.

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

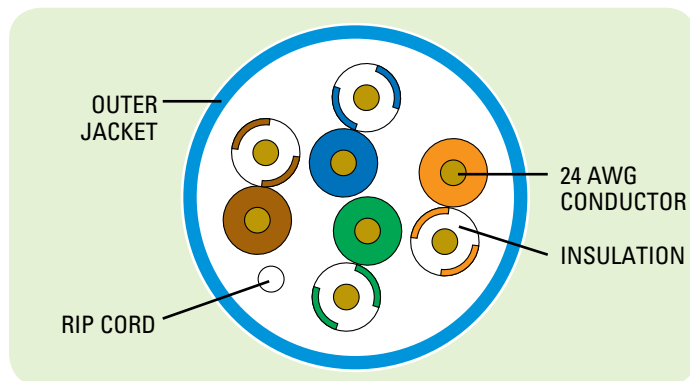
Data subject to change without notice.

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 | — |
| 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 100 m (328 ft.) length @ 20°C. Values above 200 MHz are for information only.
*PSACR & ACR not specified in ANSI/TIA 568-C.2

GenSPEED® 5000 CATEGORY 5e CROSS-SECTION



ELECTRICAL CHARACTERISTICS

| | |
|---|--------------------|
| DC Resistance (max) Ohms/100 m (328 ft) @ 20°C | 9.38 |
| DC Resistance Unbalance (max) Individual Pair % | 4.00 |
| Delay Skew (max) ns/100 m | 45 |
| Nom. Velocity of Propagation % Speed of Light | CMP: 72 CMR: 70 |
| Characteristic Impedance Frequency (f): | Ohms 100 ± 15 |