GenSPEED® 10 UTP Cat 6A Cable
Reliable Performance in the Industry’s Smallest Full Channel 6A Cable

Introducing the New Generation of Small Diameter Category 6A Cables

GenSPEED 10 is the industry’s first Category 6A Cable to feature a 0.250” overall diameter with guaranteed performance that meets or exceeds all TIA standards. Its innovative design and reduced size is perfect for migrating to a Cat 6A infrastructure, allowing for improved cable management, installation and handling, preparing your system for 10 Gigabit applications.

- Innovative design provides guaranteed performance using the industry’s smallest Cat 6A cable.
- Smaller cable diameter allows for greater cable density, reducing cable management costs.
- Simplified design and improved bend radius make it easier to strip, terminate and route, reducing installation time and expense.
- 90°C jacket rating provides consistent performance in a wide range of operating environments.
- UL Listed CMP-LP 0.6A with certified performance for high power PoE applications.


First Cat 6A to feature 0.250” OD allowing for easier installation and increased cabling fill capacity: less cable tray and more cable in existing trays, which lowers overall costs.

UL verified with certified performance for 100W power over HDBaseT.

Innovative cross-web separator with patented design provides superior internal electrical characteristics by locking the pairs into a systematic orientation within the cable.

Streamlined design allows for 36 reels per pallet, improving distribution and warehousing efficiency.

TRU-MARK® print legend contains footage markings from 1000’ to 0’.

80 cables
4 inch conduit with 0.300” OD cable

119 cables
4 inch conduit with GenSPEED 10 (0.250” OD)

Reduced diameter translates to simplified cable management: GenSPEED 10 is the only cable to allow up to 119 cables in a 4 in. conduit vs. 80 cables of a traditional product.*

<table>
<thead>
<tr>
<th>Cable OD</th>
<th>4” x 6”</th>
<th>4” x 12”</th>
<th>4” x 18”</th>
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<tbody>
<tr>
<td>0.250”</td>
<td>240</td>
<td>484</td>
<td>728</td>
</tr>
<tr>
<td>0.275”</td>
<td>198</td>
<td>400</td>
<td>602</td>
</tr>
<tr>
<td>0.300”</td>
<td>167</td>
<td>336</td>
<td>506</td>
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<table>
<thead>
<tr>
<th>Cable OD</th>
<th>3/4”</th>
<th>1”</th>
<th>4”</th>
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<tr>
<td>0.250”</td>
<td>4</td>
<td>7</td>
<td>119</td>
</tr>
<tr>
<td>0.275”</td>
<td>3</td>
<td>5</td>
<td>98</td>
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<tr>
<td>0.300”</td>
<td>2</td>
<td>4</td>
<td>80</td>
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*Assuming 60% fill ratio.
GenSPEED® 10 UTP Cat 6A Cable

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

STANDARD COMPLIANCES
- ANSI/TIA 568-C.2
- NEC/CEC Type CMP (NFPA 262) for Plenum
- UL Listed CMP-LP 0.6A
- UL 444
- UL 4299
- RoHS Compliant Directive 2011/65/EU
- ANSI/TIA 862 (Building Automation)
- ICEA S-116-732
- ISO/IEC 11801 Ed. 2.0 (Class EA)

APPLICATIONS
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CONSTRUCTION
Conductors
- 23 AWG solid bare annealed copper

Insulation
- Fluoropolymer

ANEXT Protection
- Encapsulated Isolation Wrap

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

Separator
- Engineered Cross-web

Jacket
- Plenum: Low-smoke, Flame-Retardant PVC

ELECTRICAL PERFORMANCE

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>PSACR** (dB)</th>
<th>ACR** (dB)</th>
<th>Insertion Loss (dB)</th>
<th>PSNEXT (dB)</th>
<th>NEXT (dB)</th>
<th>PSACRF (dB)</th>
<th>ACRF (dB)</th>
<th>Return Loss (dB)</th>
<th>TCL (dB)</th>
<th>PSANEKTS (dB)</th>
<th>PSACRFS (dB)</th>
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</tbody>
</table>

Note: Values are expressed in dB per 100 m (328 ft.) length at 20°C. *Values are for reference only.

**PSACR & ACR not specified in ANSI/TIA 568-C.2

ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>DC Resistance</th>
<th>Ohms/100 m</th>
<th>1 x 100 MHz</th>
<th>0°C ± 6°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC Resistance Unbalanced</td>
<td>Individual Pair</td>
<td>%</td>
<td>—</td>
</tr>
<tr>
<td>Delay Skew</td>
<td>ns/100 m</td>
<td>45ns/100m</td>
<td></td>
</tr>
<tr>
<td>Nom. Velocity of Propagation</td>
<td>% Speed of Light</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>Characteristic Impedance</td>
<td>Frequency (MHz)</td>
<td>1-500 MHz</td>
<td>100 ± 15</td>
</tr>
</tbody>
</table>

PHYSICAL DATA
Nominal Cable Diameter (in) 0.250
Nominal Cable Weight (lbs/1000 ft) 32
Minimum Bend Radius (in) 1
Maximum Pulling Force (lbs) 40
Temperature Rating (°C) 0 to +60
Operation: -20 to +90

PART NUMBERS
Standard Packaging: 1000’ Spool*

Jacket Color
- Blue
- White

Spool Spool-Pac
- 7141819 7141869
- 7141820 7141870

Note: Spool Pac available upon request. Non-stock items may be subject to minimum order quantities. Other colors available.

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