Future-proof your installations with GenSPEED® 6 Category 6 cable, now certified LP by Underwriters Laboratories (UL).

Exceeds Proposed PoE++ IEEE 802.3bt Standards
GenSPEED® 6 Category 6 cable goes beyond the proposed IEEE 802.3bt standard of 49 W to up to 100 W* for even more coverage of high-wattage equipment.

Cable Temperature Rating Beyond Standard Requirements
General Cable’s EfficienC Max cable is rated to 90°C and constructed of 100% fluoropolymer insulation to offer higher protection against increased operating temperatures and:
- Surpasses the industry standard of 60°C
- Prevents material degradation from elevated temperatures over extended periods
- Reduces impact of high-powered non-standard PoE applications

First to Industry with UL Listing CMP-LP (0.5A)*

Unique Separator 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

*0.5A is the ampacity rating of the cable, which equates to 100 watts using 50 volts over four pairs.
GenSPEED® 6 Category 6 Cable

APPLICATIONS
• IEEE 802.3: 1000 BASE-T, 100 BASE-TX, 10 BASE-T, PoE, PoE+
• ANSI/TIA 568: 1000 BASE-TX
• CDDI, Token Ring, ATM
• Digital Video
• Broadband and Baseband Analog Video

STANDARD COMPLIANCES
• ANSI/TIA 568-C.2
• NEC/CEC Type CMP (NFPA 262) for 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 EA)

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

ELECTRICAL PERFORMANCE

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>PSACR* (min)</th>
<th>ACR* (min)</th>
<th>Insertion Loss (min)</th>
<th>PSNEXT (min)</th>
<th>NEXT (min)</th>
<th>PSACRF (min)</th>
<th>ACRF (min)</th>
<th>Return Loss (max)</th>
<th>TCL (min)</th>
<th>ELTCTL (min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>70.3</td>
<td>72.3</td>
<td>2.0</td>
<td>72.3</td>
<td>74.3</td>
<td>64.8</td>
<td>67.8</td>
<td>20.0</td>
<td>40.0</td>
<td>35.0</td>
</tr>
<tr>
<td>4</td>
<td>59.3</td>
<td>61.5</td>
<td>3.8</td>
<td>63.3</td>
<td>65.3</td>
<td>52.8</td>
<td>55.7</td>
<td>23.0</td>
<td>40.0</td>
<td>23.0</td>
</tr>
<tr>
<td>10</td>
<td>51.3</td>
<td>53.3</td>
<td>6.0</td>
<td>57.3</td>
<td>59.3</td>
<td>44.8</td>
<td>47.8</td>
<td>25.0</td>
<td>40.0</td>
<td>15.0</td>
</tr>
<tr>
<td>16</td>
<td>46.7</td>
<td>48.7</td>
<td>7.6</td>
<td>54.2</td>
<td>56.2</td>
<td>40.7</td>
<td>43.7</td>
<td>25.0</td>
<td>38.0</td>
<td>10.9</td>
</tr>
<tr>
<td>20</td>
<td>44.3</td>
<td>46.3</td>
<td>8.5</td>
<td>52.8</td>
<td>54.8</td>
<td>38.8</td>
<td>41.7</td>
<td>25.0</td>
<td>37.0</td>
<td>9.0</td>
</tr>
<tr>
<td>31.25</td>
<td>39.2</td>
<td>41.2</td>
<td>10.7</td>
<td>49.9</td>
<td>51.9</td>
<td>34.9</td>
<td>37.9</td>
<td>23.6</td>
<td>35.1</td>
<td>—</td>
</tr>
<tr>
<td>62.5</td>
<td>29.9</td>
<td>32.0</td>
<td>15.4</td>
<td>46.6</td>
<td>47.4</td>
<td>28.9</td>
<td>31.8</td>
<td>21.5</td>
<td>32.0</td>
<td>—</td>
</tr>
<tr>
<td>100</td>
<td>22.5</td>
<td>24.5</td>
<td>19.8</td>
<td>42.3</td>
<td>44.3</td>
<td>24.8</td>
<td>27.8</td>
<td>20.1</td>
<td>30.0</td>
<td>—</td>
</tr>
<tr>
<td>150</td>
<td>14.9</td>
<td>16.9</td>
<td>24.7</td>
<td>39.7</td>
<td>41.7</td>
<td>21.3</td>
<td>24.3</td>
<td>18.9</td>
<td>28.2</td>
<td>—</td>
</tr>
<tr>
<td>200</td>
<td>8.8</td>
<td>10.8</td>
<td>29.0</td>
<td>37.8</td>
<td>39.8</td>
<td>18.8</td>
<td>21.8</td>
<td>18.0</td>
<td>27.0</td>
<td>—</td>
</tr>
<tr>
<td>250</td>
<td>3.5</td>
<td>5.5</td>
<td>32.8</td>
<td>36.3</td>
<td>38.3</td>
<td>16.8</td>
<td>19.8</td>
<td>17.3</td>
<td>24.0</td>
<td>—</td>
</tr>
<tr>
<td>350</td>
<td>—</td>
<td>—</td>
<td>39.8</td>
<td>34.1</td>
<td>36.1</td>
<td>13.9</td>
<td>16.9</td>
<td>16.3</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>400</td>
<td>—</td>
<td>—</td>
<td>43.0</td>
<td>33.3</td>
<td>35.3</td>
<td>12.8</td>
<td>15.8</td>
<td>15.9</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>500</td>
<td>—</td>
<td>—</td>
<td>48.9</td>
<td>31.8</td>
<td>33.8</td>
<td>10.8</td>
<td>13.8</td>
<td>15.2</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

Note: Values are expressed in dB per 100 m (328 ft.) length @ 20°C. Results beyond 350 MHz are for reference only.
*PSACR & ACR not specified in ANSI/TIA 568-C.2

ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Max.</th>
<th>Nom.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC Resistance</td>
<td>Ohms/100 m [328 ft] @ 20°C</td>
</tr>
<tr>
<td>DC Resistance Unbalanced Individual Pair %</td>
<td>4.00</td>
</tr>
<tr>
<td>Delay Skew ns/100 m</td>
<td>45</td>
</tr>
<tr>
<td>Nom. Velocity of Propagation % Speed of Light</td>
<td>70</td>
</tr>
<tr>
<td>Characteristic Impedance Frequency [MHz]: 1-500 MHz</td>
<td>Ohms</td>
</tr>
</tbody>
</table>

CONSTRUCTION

Conductors
• 23 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

Separator
• Divider

Rip Cord
• Applied longitudinally under jacket

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

GenSPEED® 6 CATEGORY 6 CROSS-SECTION

OUTER JACKET
22 AWG CONDUCTOR
INSULATION
RIP CORD
SEPARATOR

PHYSICAL DATA

<table>
<thead>
<tr>
<th>Nominal Cable Diameter [in]</th>
<th>CMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Cable Weight [lbs/1000 ft]</td>
<td>25</td>
</tr>
<tr>
<td>Minimum Bend Radius [in]</td>
<td>1.0</td>
</tr>
<tr>
<td>Maximum Pulling Force [lbs]</td>
<td>32</td>
</tr>
<tr>
<td>Temperature Rating [°C]</td>
<td>0 to +60</td>
</tr>
<tr>
<td>Installation:</td>
<td>Operation:</td>
</tr>
<tr>
<td>0 to +60</td>
<td>-20 to +90</td>
</tr>
</tbody>
</table>

CMP (PLENUM) PART NUMBERS

Jacket Color Pull-Pac® II Spool-Pac® Spool
Blue 7131800 7131840 7131860
White 7131801 7131841 7131861
Yellow 7131802 7131842 7131862
Gray 7131803 7131843 7131863
Red 7131804 7131844 7131864
Orange 7131805 7131845 7131865
Green 7131806 7131846 7131866
Black 7131807 7131847 7131867
Pink 7131808 7131848 7131868
Purple 7131809 7131849 7131869

ELECTRICAL DATA

4 Tesseneer Drive, Highland Heights, Kentucky 41076-9753
GENERAL CABLE, GENSPED, TRU-MARK, PULL-PAC and SPOOL-PAC are trademarks of General Cable Technologies Corporation.
©2015. General Cable Technologies Corporation. Highland Heights, KY 41076
All rights reserved. Printed in USA.