Superior Alien Crosstalk Protection and EMI Immunity in the Industry’s Smallest 6A Cable

General Cable’s industry-leading 10 Gig solution, GenSPEED® 10 MTP Category 6A Cable, provides industry-leading alien crosstalk protection and EMI Immunity in the smallest Cat 6A Cables. Without needing to be grounded, GenSPEED 10 MTP’s Mosaic Variable Laser Cut Tape shields the cable from noise coming from external cable sources (PSANEXT and PSAACRF). Its improved design, reduced diameter, lighter weight and increased flexibility translates to simplified cable handling and optimized cable management: less conduit, less cable tray and more cable in existing conduit and trays which lowers overall project costs.

- 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.
- Utilizes innovative Mosaic™ Variable Laser Cut Tape to provide superior protection against alien crosstalk.
- Random laser cut pattern delivers maximum protection against EMI noise interference.
- UL Listed CMP-LP 0.7A with certified performance for high power PoE applications up to 140 W.
- UL verified with certified performance for 100W power over HDBaseT.

### Superior Performance.

<table>
<thead>
<tr>
<th>Cable</th>
<th>OD</th>
<th>Crosstalk Protection</th>
<th>EMI Immunity</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS10 MTP</td>
<td>0.25”</td>
<td>✔️ ✔️ ✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️ ✔️ ✔️</td>
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<tr>
<td>GS10 F/UTP</td>
<td>0.298”</td>
<td>✔️ ✔️ ✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️ ✔️ ✔️</td>
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<tr>
<th>TIA Standard</th>
<th>Enhanced</th>
<th>Superior</th>
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</table>

### Smaller. Lighter. More Flexible.

- 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.*
GenSPEED® 10 MTP Cat 6A Cable

APPLIICATIONS
- IEEE 802.3: 10G BASE-T,
  1000 BASE-T, 100 BASE-TX,
  10 BASE-T, PoE, PoE+ and
  PoE++
- ANSI/TIA 868: 1000 BASE-TX
- Digital Video
- Broadband and Baseband
  Analog Video
- CDDI, Token Ring, ATM

STANDARD COMPLIANCES
- ANSI/TIA 568-C.2
- NEC/CEC Type CMP (NFPA 262)
- UL Listed CMP-LP 0.7A*
- 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
- IEEE 802.3: 10G BASE-T,
  1000 BASE-T, 100 BASE-TX,
  10 BASE-T, PoE, PoE+ and
  PoE++
- ANSI/TIA 854: 1000 BASE-TX
- Digital Video
- Broadband and Baseband
  Analog Video
- CDDI, Token Ring, ATM

PHYSICAL PERFORMANCE

Frequency | PSACR* (min) | ACR* (min) | Insertion Loss (min) | PSNEXT (min) | NEXT (min) | PSACRF (min) | ACRF (min) | Return Loss (min) | T/C (min) | PSANEXT (min) | PSACRF (min)
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
1 | 70.2 | 72.2 | 2.1 | 72.3 | 74.3 | 64.8 | 67.8 | 20.0 | 40.0 | 67.0 | 75.0 | 79.0
4 | 59.5 | 61.5 | 3.8 | 63.3 | 65.3 | 52.8 | 55.8 | 23.0 | 40.0 | 67.0 | 75.0 | 79.0
10 | 51.4 | 53.4 | 5.9 | 57.3 | 59.3 | 44.8 | 47.8 | 25.0 | 40.0 | 67.0 | 75.0 | 79.0
16 | 46.8 | 48.8 | 7.5 | 54.2 | 56.2 | 40.7 | 43.7 | 25.0 | 38.0 | 67.0 | 75.0 | 79.0
20 | 44.4 | 46.4 | 8.4 | 52.8 | 54.8 | 38.8 | 41.8 | 25.0 | 37.0 | 67.0 | 75.0 | 79.0
31.25 | 39.4 | 41.4 | 10.5 | 49.9 | 51.9 | 34.9 | 37.9 | 23.6 | 35.1 | 67.0 | 75.0 | 79.0
62.5 | 30.4 | 32.4 | 15.0 | 45.4 | 47.4 | 28.9 | 31.9 | 21.5 | 32.0 | 65.6 | 73.6 | 77.6
100 | 23.2 | 25.2 | 19.1 | 42.3 | 44.3 | 24.8 | 27.8 | 20.1 | 30.0 | 62.5 | 70.5 | 74.5
150 | 16.0 | 18.0 | 23.7 | 39.7 | 41.7 | 21.3 | 24.3 | 18.9 | 28.2 | 59.9 | 67.9 | 71.9
200 | 10.2 | 12.2 | 27.6 | 37.8 | 39.8 | 18.8 | 21.8 | 18.0 | 27.0 | 58.0 | 66.0 | 70.0
250 | 5.2 | 7.2 | 31.1 | 36.3 | 38.3 | 16.8 | 19.8 | 17.3 | 26.0 | 56.5 | 64.5 | 68.5
300 | 0.9 | 2.9 | 34.3 | 35.1 | 37.1 | 15.3 | 18.3 | 16.8 | 25.2 | 55.3 | 63.3 | 67.3
400 | — | — | 40.1 | 33.3 | 35.3 | 12.8 | 15.8 | 15.9 | 24.0 | 53.5 | 61.5 | 65.5
500 | — | — | 45.3 | 31.8 | 33.8 | 10.8 | 13.8 | 15.2 | 23.0 | 52.0 | 60.0 | 64.0

Note: Values are expressed in dB per 100 m (328 ft.) length @ 20°C.
*PSACR & ACR not specified in ANSI/TIA 568-C.2
*0.7A is the ampacity rating of the cable, which equals to 140 watts using 50 volts over four pairs.

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