### Micro Coax & Twinax Cable Specifications

#### Panel and U/O Assemblies

<table>
<thead>
<tr>
<th>Panel Standard - Protocols Supported</th>
<th>HDLSP</th>
<th>EPLSP</th>
<th>PCEO</th>
<th>GSPCO</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAS – 3 Gbps (1.5 GHz)</td>
<td>1.0 m</td>
<td>1.0 m</td>
<td>0.9 m</td>
<td>0.6 m</td>
</tr>
<tr>
<td>SATA – 1.5 Gbps (0.75 GHz)</td>
<td>2.0 m</td>
<td>1.0 m</td>
<td>0.9 m</td>
<td>0.6 m</td>
</tr>
<tr>
<td>SAS – 6 Gbps (3.0 GHz)</td>
<td>1.0 m</td>
<td>1.0 m</td>
<td>0.9 m</td>
<td>0.6 m</td>
</tr>
<tr>
<td>SAS – 12 Gbps (6.0 GHz)</td>
<td>0.7 m</td>
<td>0.6 m</td>
<td>0.5 m</td>
<td>0.3 m</td>
</tr>
<tr>
<td>SAS – 15 Gbps (7.5 GHz)</td>
<td>0.5 m</td>
<td>0.3 m</td>
<td>0.3 m</td>
<td>0.1 m</td>
</tr>
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<td>SAS – 3 Gbps (1.5 GHz)</td>
<td>2.0 m</td>
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<td>SATA – 3 Gbps (1.5 GHz)</td>
<td>0.5 m</td>
<td>0.3 m</td>
<td>0.3 m</td>
<td>0.1 m</td>
</tr>
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<td>SAS – 6 Gbps (3.0 GHz)</td>
<td>0.5 m</td>
<td>0.3 m</td>
<td>0.3 m</td>
<td>0.1 m</td>
</tr>
<tr>
<td>SAS – 9 Gbps (4.5 GHz)</td>
<td>0.5 m</td>
<td>0.3 m</td>
<td>0.3 m</td>
<td>0.1 m</td>
</tr>
<tr>
<td>Fiber Channel – 1 Gbps (1.0 GHz)</td>
<td>2.0 m</td>
<td>1.0 m</td>
<td>0.9 m</td>
<td>0.6 m</td>
</tr>
<tr>
<td>Fiber Channel – 2 Gbps (2.0 GHz)</td>
<td>2.0 m</td>
<td>1.0 m</td>
<td>0.9 m</td>
<td>0.6 m</td>
</tr>
<tr>
<td>Fiber Channel – 3 Gbps (3.0 GHz)</td>
<td>2.0 m</td>
<td>1.0 m</td>
<td>0.9 m</td>
<td>0.6 m</td>
</tr>
<tr>
<td>Fiber Channel – 4 Gbps (4.0 GHz)</td>
<td>2.0 m</td>
<td>1.0 m</td>
<td>0.9 m</td>
<td>0.6 m</td>
</tr>
<tr>
<td>Fiber Channel – 5 Gbps (5.0 GHz)</td>
<td>2.0 m</td>
<td>1.0 m</td>
<td>0.9 m</td>
<td>0.6 m</td>
</tr>
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<td>Fiber Channel – 6 Gbps (6.0 GHz)</td>
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<td>0.6 m</td>
</tr>
<tr>
<td>Fiber Channel – 7 Gbps (7.0 GHz)</td>
<td>2.0 m</td>
<td>1.0 m</td>
<td>0.9 m</td>
<td>0.6 m</td>
</tr>
<tr>
<td>Fiber Channel – 8 Gbps (8.0 GHz)</td>
<td>2.0 m</td>
<td>1.0 m</td>
<td>0.9 m</td>
<td>0.6 m</td>
</tr>
<tr>
<td>Fiber Channel – 10 Gbps (10.0 GHz)</td>
<td>2.0 m</td>
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<td>0.9 m</td>
<td>0.6 m</td>
</tr>
<tr>
<td>Ethernet – 10 Gbps (1.0 GHz)</td>
<td>2.0 m</td>
<td>1.0 m</td>
<td>0.9 m</td>
<td>0.6 m</td>
</tr>
<tr>
<td>Ethernet – 16 Gbps (1.6 GHz)</td>
<td>2.0 m</td>
<td>1.0 m</td>
<td>0.9 m</td>
<td>0.6 m</td>
</tr>
<tr>
<td>HyperTransport™ – 3 Gbps (3.0 GHz)</td>
<td>2.0 m</td>
<td>1.0 m</td>
<td>0.9 m</td>
<td>0.6 m</td>
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<tr>
<td>HyperTransport™ – 4 Gbps (4.0 GHz)</td>
<td>2.0 m</td>
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<tr>
<td>HQCD – 4 Gbps (4.0 GHz)</td>
<td>2.0 m</td>
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- **Eye Speed® Cable**
  - Excellent Signal Integrity performance with individual copper core or braided shielding.
  - Stranded conductors for small bend radius and dynamic high flexing applications.
  - Copper serves or braided shielding for improved noise immunity.

- **AccelRe™ Cable**
  - Excellent Signal Integrity performance with aluminum foil shielding and dual drain wires.
  - Twinax construction nating a nest of discrete wires.

**Cost-effective ribbonizing process**
- Fully copper core for significant space savings over competitive solutions.
- Variety of standard stacked wire gauges from 38 AWG to 26 AWG.
- Coax and twinax constructions Twinax construction (coax in development).

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- Excellent Signal Integrity performance with individual copper core or braided shielding.
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- Cost-effective ribbonizing process
- Keeps boards organized by eliminating a nest of discrete wires.

**Excellent Signal Integrity**
- With a one-time cable crease for reduced cost and static applications
- Performance with aluminum foil
- Excellent Signal Integrity
- With foil shielding and dual drain wires
- Significant space savings over competitive solutions

**Panel and U/O Assemblies**

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**Eye Speed® Cable**

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**Coaxial Cables**

**Microwave Coax**

**Coax and U/O Assemblies**

**Coaxial Cables**

**InfiniBand™ FDR**

**Length ratings are based on an insertion loss of 7 dB or less at the I/O Standard Nyquist frequency except for QSFPO and PCIEO.**

**HDLSP**

**EPLSP**

**PCIEO**

**QSFPO**

- **HDLSP**
  - 0.127 (.0055) DIA
  - Dielectric: Foamed FEP
  - Shield: Copper
  - 0.635 (.0250) DIA

- **EPLSP**
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