GigaSPEED XL® Cat 6 Patch Cord, LSZH

Product Classification

Regional Availability
Asia  |  Australia/New Zealand  |  EMEA  |  Latin America  |  North America

Portfolio
SYSTIMAX®

Product Type
Twisted pair patch cord

Product Brand
GigaSPEED XL®

Product Series
CPC  |  UTG

Ordering Note
Cords < 1 m are valid elements for use in a channel or as an equipment interconnect but due to their limited length are not guaranteed to meet component compliance requirements that were developed to assess the quality of longer cords. Cords > 1 m are authorized for use in channels and are an effective standalone method used to connect active devices.

General Specifications

ANSI/TIA Category
6

Cable Type
U/UTP (unshielded)

Conductor Type
Stranded

Interface, Connector A
RJ45 plug

Interface Feature, connector A
Standard

Interface, Connector B
RJ45 plug

Interface Feature, connector B
Standard

Jacket Color
Black  |  Blue  |  Dark gray  |  Light blue  |  Lilac  |  Orange  |  Red  |  Spring green  |  White  |  Yellow

Pairs, quantity
4

Transmission Standards
IEEE 802.3bt Type 4

Wiring
T568B

Dimensions

Cable Assembly Length Range (m)  1 – 30
Cable Assembly Length Range (ft)  1 – 100
Cable Assembly Length Range (cm) 15 – 999
Cable Assembly Length Range (in) 6 – 999
Diameter Over Jacket 6.02 mm | 0.237 in
Compatible Conductor Gauge, stranded 24 AWG | 24 AWG

Wiring Diagram

<table>
<thead>
<tr>
<th>Position</th>
<th>Connector A</th>
<th>Connector B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White/Orange</td>
<td>White/Orange</td>
</tr>
<tr>
<td>2</td>
<td>Orange</td>
<td>Orange</td>
</tr>
<tr>
<td>3</td>
<td>Lt. Green</td>
<td>Lt. Green</td>
</tr>
<tr>
<td>4</td>
<td>Blue</td>
<td>Blue</td>
</tr>
<tr>
<td>5</td>
<td>Lt. Blue</td>
<td>Lt. Blue</td>
</tr>
<tr>
<td>6</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>7</td>
<td>Lt. Brown</td>
<td>Lt. Brown</td>
</tr>
<tr>
<td>8</td>
<td>Brown</td>
<td>Brown</td>
</tr>
</tbody>
</table>

Electrical Specifications

dc Resistance, maximum 0.3 ohm
Safety Voltage Rating 300 V

Ordering Tree
### Material Specifications

#### Contact Plating Material
- Precious metals

#### Material Type
- Copper alloy | Polycarbonate

### Mechanical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plug Insertion Life, minimum</td>
<td>750 times</td>
</tr>
<tr>
<td>Plug Retention Force, minimum</td>
<td>133 N</td>
</tr>
</tbody>
</table>

### Environmental Specifications

#### Operating Temperature
- -10 °C to +60 °C (+14 °F to +140 °F)

#### Environmental Space
- Low Smoke Zero Halogen (LSZH)

#### Flammability Rating
- UL 94 V-0

### Packaging and Weights

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging quantity</td>
<td>1</td>
</tr>
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</table>

### Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
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<tbody>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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