CS44Z1 Cable, category 6A, 4 pair, F/UTP, LSZH, 23 AWG, 1000 ft, light pink

Product Classification

Regional Availability
- Asia
- Australia/New Zealand
- Latin America

Portfolio
NETCONNECT®

Product Type
Twisted pair cable

Product Series
640 Series

General Specifications

ANSI/TIA Category
6A

Cable Component Type
Horizontal

Cable Type
F/UTP (shielded)

Conductor Type, singles
Solid

Conductors, quantity
8

Jacket Color
Pink

Pairs, quantity
4

Transmission Standards
- ANSI/TIA-568.2-D
- CENELEC EN 50288-6-1
- ISO/IEC 11801 Class EA

Dimensions

Cable Length
304.8 m | 1000 ft

Diameter Over Jacket, nominal
7.188 mm | 0.283 in

Conductor Gauge, singles
23 AWG

Cross Section Drawing
Electrical Specifications

- **Characteristic Impedance**: 100 ohm
- **Characteristic Impedance Tolerance**: ±15 ohm
- **dc Resistance, maximum**: 7.8 ohms/100 m | 2.377 ohms/100 ft
- **Delay Skew, maximum**: 45 ns
- **Mutual Capacitance at Frequency**: 5.6 nF/100 m @ 500 MHz
- **Nominal Velocity of Propagation (NVP)**: 69 %
- **Operating Voltage, maximum**: 80 V
- **Remote Powering**: Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A

Material Specifications

- **Conductor Material**: Bare copper
- **Insulation Material**: Polyolefin
- **Jacket Material**: Low Smoke Zero Halogen (LSZH)
- **Shield (Tape) Material**: Aluminum/Polyester

Environmental Specifications

- **Operating Temperature**: -20 °C to +75 °C (-4 °F to +167 °F)
- **Acid Gas Test Method**: IEC 60754-2
<table>
<thead>
<tr>
<th>Temperature Rating, UL</th>
<th>75 °C</th>
<th>167 °F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flame Test Method</td>
<td>IEC 60332-1</td>
<td></td>
</tr>
<tr>
<td>Smoke Test Method</td>
<td>IEC 61034-2</td>
<td></td>
</tr>
</tbody>
</table>

### Packaging and Weights

- **Cable weight**: 60.107 kg/km | 40.39 lb/kft
- **Packaging Type**: Reel

### Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHINA-ROHS</td>
<td>Below maximum concentration value</td>
</tr>
<tr>
<td>REACH-SVHC</td>
<td>Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a></td>
</tr>
<tr>
<td>ROHS</td>
<td>Compliant</td>
</tr>
<tr>
<td>UK-ROHS</td>
<td>Compliant</td>
</tr>
</tbody>
</table>