CS44Z1 Cable, category 6A, 4 pair, F/UTP, LSZH, 23 AWG, 305 m reel, red

Product Classification
Regional Availability: Asia | Australia/New Zealand | Latin America
Portfolio: NETCONNECT®
Product Type: Twisted pair cable
Product Series: 640 Series

General Specifications
Product Number: 640Z
ANSI/TIA Category: 6A
Cable Component Type: Horizontal
Cable Type: F/UTP (shielded)
Conductor Type, singles: Solid
Conductors, quantity: 8
Jacket Color: Red
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 Conductor: 1.14 mm | 0.045 in
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: 6.66 ohms/100 m | 2.03 ohms/100 ft

Delay Skew, maximum: 45 ns

Mutual Capacitance at Frequency: 5.6 nF/100 m @ 500 MHz

Nominal Velocity of Propagation (NVP): 64 %

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

Mechanical Specifications

Minimum Bend Radius, multiple Bends: 28.8 mm | 1.134 in

Environmental Specifications
Operating Temperature: -20 °C to +60 °C (-4 °F to +140 °F)

Acid Gas Test Method: IEC 60754-2

Flame Test Method: IEC 60332-1

Smoke Test Method: IEC 61034-2

Packaging and Weights:

Cable weight: 60.107 kg/km | 40.39 lb/kft

Packaging Type: Reel

Regulatory Compliance/Certifications:

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<th>Agency</th>
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<tr>
<td>CHINA-ROHS</td>
<td>Below maximum concentration value</td>
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<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>
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