Copper Cable, category 7, 4 pair simplex, S/FTP, LSFRZH, XG, 23 AWG solid, 1000 m, orange

Product Classification

Regional Availability

Portfolio

Product Type

Twisted pair cable

General Specifications

ANSI/TIA Category

Horizontal

Cable Component Type

S/FTP (shielded)

Cable Type

Conductor Type, singles

Solid

Conductors, quantity

8

Pairs, quantity

4

Transmission Standards

ANSI/TIA-568.2-D | CENELEC EN 50288-4-1 | ISO/IEC 11801 Class F

Dimensions

Cable Length

1,000 m | 3,280.84 ft

Diameter Over Conductor

1.501 mm | 0.059 in

Diameter Over Jacket, nominal

7.29 mm | 0.287 in

Conductor Gauge, singles

23 AWG

Electrical Specifications

Characteristic Impedance

100 ohm

Characteristic Impedance Tolerance

±15 ohm

Coupling Attenuation

Type I

dc Resistance, maximum

15 ohms/100 m | 4.572 ohms/100 ft

Delay Skew, maximum

7 ns

Nominal Velocity of Propagation (NVP)

80 %
Operating Voltage, maximum: 80 V
Segregation Class: d

Electrical Cable Performance

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<th>STD</th>
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<th>IL</th>
<th>ACR</th>
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<td>Refers to the standard value listed under Transmission Standards in the Electrical Specifications above</td>
<td>Typical Electrical Performance</td>
<td>Insertion Loss (dB/100m)</td>
<td>Attenuation to Crosstalk Ratio (dB/100m)</td>
<td>Power Sum Attenuation to Crosstalk Ratio (dB/100m)</td>
<td>Near End Crosstalk (dB/100m)</td>
<td>Power Sum Near End Crosstalk (db/100m)</td>
<td>Attenuation to Crosstalk Ratio - Far End (dB/100m)</td>
<td>Return Loss (dB)</td>
<td>Equal Level Transverse Conversion Transfer Loss (dB/100m)</td>
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Material Specifications

Conductor Material: Bare copper
Insulation Material: Polyolefin
Jacket Material: Low Smoke Fire Retardant Zero Halogen (LSFRZH)
Shield (Tape) Material: Aluminum/Polyester

Environmental Specifications

Installation temperature: 0 °C to +50 °C (+32 °F to +122 °F)
Operating Temperature: -20 °C to +60 °C (-4 °F to +140 °F)
EN50575 CPR Cable EuroClass Fire Performance: Dca
EN50575 CPR Cable EuroClass Smoke Rating: s2
EN50575 CPR Cable EuroClass Droplets Rating: d2
EN50575 CPR Cable EuroClass Acidity Rating: a1

Packaging and Weights

Packaging Type: Reel

Regulatory Compliance/Certifications

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<th>Agency</th>
<th>Classification</th>
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