3297B Category 7 S/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1640 ft (500 m) length, reel

Product Classification

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

Portfolio
SYSTIMAX®

Product Type
Twisted pair cable

Ordering Note
Available in Europe, Middle East, and Africa

General Specifications

Product Number
3297B

ANSI/TIA Category
7

Cable Component Type
Horizontal

Cable Type
S/FTP (shielded)

Conductor Type, singles
Solid

Conductors, quantity
8

Jacket Color
White

Note
All electrical transmission tests include swept frequency measurements

Pairs, quantity
4

Transmission Standards
- CENELEC EN 50288-4-1
- IEC 61156-5 Cat 7
- ISO/IEC 11801 Class F

Dimensions

Cable Length
500 m | 1,640.42 ft

Cable Length Tolerance
±5%

Diameter Over Insulated Conductor
1.501 mm | 0.059 in

Diameter Over Jacket, nominal
7.391 mm | 0.291 in

Jacket Thickness
0.635 mm | 0.025 in

Conductor Gauge, singles
23 AWG

Cross Section Drawing
Electrical Specifications

- **Coupling Attenuation**: Type I
- **dc Resistance Unbalance, maximum**: 2 %
- **dc Resistance, maximum**: 7.61 ohms/100 m | 2.32 ohms/100 ft
- **Delay Skew, maximum**: 25 ns
- **Mutual Capacitance at Frequency**: 4.2 nF/100 m @ 1 kHz
- **Nominal Velocity of Propagation (NVP)**: 80 %
- **Operating Frequency, maximum**: 600 MHz
- **Operating Voltage, maximum**: 80 V
- **Segregation Class**: d
- **Transfer Impedance**: Grade 1

Material Specifications

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

Mechanical Specifications

- **Pulling Tension, maximum**: 11.34 kg | 25 lb
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)

**Storage Temperature** 0 °C to +50 °C (+32 °F to +122 °F)

**Acid Gas Test Method** IEC 60754-2

**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

**Environmental Space** Low Smoke Zero Halogen (LSZH)

**Flame Test Method** IEC 60332-3-22 | IEC 60332-3-24

**Smoke Test Method** IEC 61034-2

Packaging and Weights

**Cable weight** 56.997 kg/km | 38.3 lb/kft

**Packaging Type** Reel

Regulatory Compliance/Certifications

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<th>Agency</th>
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<tr>
<td>CENELEC</td>
<td>EN 50575 compliant, Declaration of Performance (DoP) available</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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<td>Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a></td>
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