CS67Z3 Category 7A S/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 3280 ft (1000 m) length, reel

Product Classification

Regional Availability: EMEA
Portfolio: NETCONNECT®
Product Type: Twisted pair cable

General Specifications

ANSI/TIA Category: 7A
Cable Component Type: Horizontal
Cable Type: S/FTP (shielded)
Conductor Type, singles: Solid
Conductors, quantity: 8
Jacket Color: White
Pairs, quantity: 4
Transmission Standards: CENELEC EN 50288-9-1 | IEC 61156-7

Dimensions

Cable Length: 1,000 m | 3,280.84 ft
Cable Length Tolerance: ±5%
Diameter Over Insulated Conductor: 1.501 mm | 0.059 in
Diameter Over Jacket, nominal: 7.798 mm | 0.307 in
Jacket Thickness: 0.635 mm | 0.025 in
Conductor Gauge, singles: 22 AWG

Cross Section Drawing
<table>
<thead>
<tr>
<th>Characteristic Impedance</th>
<th>100 ohm</th>
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<tbody>
<tr>
<td>Coupling Attenuation</td>
<td>Type I</td>
</tr>
<tr>
<td>dc Resistance Unbalance, maximum</td>
<td>2 %</td>
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<tr>
<td>dc Resistance, maximum</td>
<td>6.51 ohms/100 m</td>
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<tr>
<td>Delay Skew, maximum</td>
<td>12 ns</td>
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<tr>
<td>Mutual Capacitance at Frequency</td>
<td>4.1 nF/100 m @ 1 kHz</td>
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<tr>
<td>Nominal Velocity of Propagation (NVP)</td>
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<tr>
<td>Operating Frequency, maximum</td>
<td>1200 MHz</td>
</tr>
<tr>
<td>Operating Voltage, maximum</td>
<td>80 V</td>
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<tr>
<td>Safety Voltage Rating</td>
<td>240 V</td>
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<tr>
<td>Segregation Class</td>
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</table>
Electrical Cable Performance

**CS**
- CommScope

**STD**
- Refers to the standard value listed under Transmission Standards in the Electrical Specifications above

**TYP**
- Typical Electrical Performance

**IL**
- Insertion Loss (dB/100m)

**ACR**
- Attenuation to Crosstalk Ratio (dB/100m)

**PSACR**
- Power Sum Attenuation to Crosstalk Ratio (dB/100m)

**PSACRF**
- Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)

**TCL**
- Transverse Conversion Loss (dB/100m)

**NEXT**
- Near End Crosstalk (dB/100m)

**PSNEXT**
- Power Sum Near End Crosstalk (dB/100m)

**ACRF**
- Attenuation to Crosstalk Ratio - Far End (dB/100m)

**RL**
- Return Loss (dB)

**ELTCTL**
- Equal Level Transverse Conversion Transfer Loss (dB/100m)

<table>
<thead>
<tr>
<th>Freq. MHz</th>
<th>IL TYP</th>
<th>ACR TYP</th>
<th>PSNEXT TYP</th>
<th>PSACR TYP</th>
<th>ACRF TYP</th>
<th>RL TYP</th>
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Material Specifications

**Conductor Material**
- Bare copper

**Insulation Material**
- Foamed polyethylene (FPE)

**Jacket Material**
- Low Smoke Fire Retardant Zero Halogen (LSFRZH)

**Shield (Tape) Material**
- Aluminum/Polyester

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)

**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: d1
EN50575 CPR Cable EuroClass Acidity Rating: a1

Environmental Space: Fire Retardant Low Smoke Zero Halogen (FRLSZH)

Flame Test Method: EN 50399 | IEC 60332-3
Smoke Test Method: IEC 61034-2

Packaging and Weights
Cable weight: 62.994 kg/km | 42.33 lb/kft
Packaging Type: Reel

Regulatory Compliance/Certifications
Agency: CENELEC
Classification: EN 50575 compliant, Declaration of Performance (DoP) available

Agency: CHINA-ROHS
Classification: Below maximum concentration value

Agency: REACH-SVHC
Classification: Compliant as per SVHC revision on www.commscope.com/ProductCompliance

Agency: ROHS
Classification: Compliant

Agency: UK-ROHS
Classification: Compliant