



CS54ZB1 Category 7 F/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1640 ft (500 m) length, reel

## Product Classification

<b>Regional Availability</b>	China
<b>Portfolio</b>	NETCONNECT®
<b>Product Type</b>	Twisted pair cable

## General Specifications

<b>ANSI/TIA Category</b>	7
<b>Cable Component Type</b>	Horizontal
<b>Cable Type</b>	F/FTP (shielded)
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Jacket Color</b>	White
<b>Pairs, quantity</b>	4
<b>Transmission Standards</b>	CENELEC EN 50288-4-1   IEC 61156-5 Cat 7   ISO/IEC 11801 Class F

## Dimensions

<b>Cable Length</b>	499.872 m   1640 ft
<b>Diameter Over Insulated Conductor</b>	1.3 mm   0.051 in
<b>Diameter Over Jacket, nominal</b>	7.399 mm   0.291 in
<b>Conductor Gauge, singles</b>	23 AWG

## Electrical Specifications

<b>Characteristic Impedance</b>	100 ohm
<b>Characteristic Impedance Tolerance</b>	±15 ohm
<b>dc Resistance, maximum</b>	9.38 ohms/100 m   2.859 ohms/100 ft
<b>Nominal Velocity of Propagation (NVP)</b>	74 %
<b>Operating Frequency, maximum</b>	600 MHz

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**Operating Voltage, maximum** 80 V

## Material Specifications

**Conductor Material** Bare copper

**Insulation Material** Polyolefin

**Jacket Material** Low Smoke Zero Halogen (LSZH)

## Mechanical Specifications

**Minimum Bend Radius, multiple Bends** 29.6 mm | 1.165 in

## Environmental Specifications

**Installation temperature** -10 °C to +60 °C (+14 °F to +140 °F)

**Operating Temperature** -20 °C to +60 °C (-4 °F to +140 °F)

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

**GB 31247 Cable China Class Fire Performance** B1

**GB 31247 Cable China Class Smoke Toxicity Rating** t0

**GB 31247 Cable China Class Droplets Rating** d0

**GB 31247 Cable China Class Acidity/Corrosion Rating** a1

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

**Flame Test Method** IEC 60332-3

**Smoke Test Method** IEC 61034-2

## Packaging and Weights

**Cable weight** 55.642 kg/km | 37.39 lb/kft

**Packaging Type** Reel

## Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



