



CS54ZB1 Category 7 F/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1000 ft (305 m) length, reel

Product Classification

Regional Availability	China
Portfolio	NETCONNECT®
Product Type	Twisted pair cable

General Specifications

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

Dimensions

Cable Length	304.8 m 1000 ft
Diameter Over Insulated Conductor	1.3 mm 0.051 in
Diameter Over Jacket, nominal	7.399 mm 0.291 in
Conductor Gauge, singles	23 AWG

Electrical Specifications

Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±15 ohm
dc Resistance, maximum	9.38 ohms/100 m 2.859 ohms/100 ft
Nominal Velocity of Propagation (NVP)	74 %
Operating Frequency, maximum	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 www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



