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CS54ZB1 Category 7 F/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1640 ft (500 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	499.872 m | 1640 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 %

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Operating Frequency, maximum	600 MHz
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

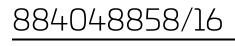## Regulatory Compliance/Certifications

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

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