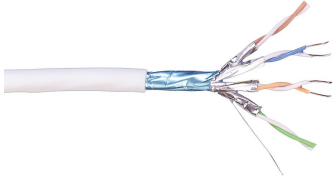# 1711163-1 | CS54Z3 WHT C7 4/23 F/FTP RL 500M

CS54Z3 Category 7 F/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1640 ft (500 m) length, reel

Product Classification

Regional Availability	Australia/New Zealand	EMEA
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	ANSI/TIA-568.2-D	CENELEC EN 50288-4-1	ISO/IEC 11801 Class F

Dimensions

Cable Length	500 m	1,640.42 ft
Diameter Over Insulated Conductor	1.501 mm	0.059 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
Coupling Attenuation	Type Ib

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dc Resistance, maximum	9.38 ohms/100 m	2.859 ohms/100 ft
Nominal Velocity of Propagation (NVP)	78 %
Operating Voltage, maximum	80 V
Segregation Class	d
Transfer Impedance	Grade 2

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	0 °C to +50 °C (+32 °F to +122 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
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
Flame Test Method	IEC 60332-3

Packaging and Weights

Cable weight	51.996 kg/km	34.94 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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