1711163-8 | CS54Z3 ORG C7 4/23 F/FTP RL 500M



CS54Z3 Category 7 F/FTP Cable, low smoke zero halogen, orange 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 Orange

Pairs, quantity 4

Transmission StandardsCENELEC EN 50288-4-1 | IEC 61156-5 | IEC 61156-5 Cat 7 | ISO

/IEC 11801 Class F

Dimensions

Cable Length500 m | 1,640.42 ftDiameter Over Insulated Conductor1.501 mm | 0.059 inDiameter Over Jacket, nominal7.399 mm | 0.291 in

Conductor Gauge, singles 23 AWG

Electrical Specifications

Characteristic Impedance100 ohmCharacteristic Impedance Tolerance±15 ohmCoupling AttenuationType IbNominal Velocity of Propagation (NVP)78 %Operating Frequency, maximum600 MHz

Page 1 of 2



1711163-8 | CS54Z3 ORG C7 4/23 F/FTP RL 500M

Operating Voltage, maximum80 VSegregation Classd

Transfer Impedance Grade 2

Material Specifications

Conductor MaterialBare copperInsulation MaterialPolyolefin

Jacket Material Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, multiple Bends 29.6 mm | 1.165 in

Environmental Specifications

Installation temperature $0 \,^{\circ}\text{C}$ to +50 $^{\circ}\text{C}$ (+32 $^{\circ}\text{F}$ to +122 $^{\circ}\text{F}$)

Operating Temperature $-20 \,^{\circ}\text{C}$ to +60 $^{\circ}\text{C}$ (-4 $^{\circ}\text{F}$ to +140 $^{\circ}\text{F}$)

EN50575 CPR Cable EuroClass Fire PerformanceDcaEN50575 CPR Cable EuroClass Smoke Ratings2EN50575 CPR Cable EuroClass Droplets Ratingd2EN50575 CPR Cable EuroClass Acidity Ratinga1

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



