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 Standards        CENELEC EN 50288-4-1  |  IEC 61156-5  |  IEC 61156-5 Cat 7  |  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
Nominal Velocity of Propagation (NVP) 78 %
Operating Frequency, maximum   600 MHz
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

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