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 Conductor**
  - 1.501 mm | 0.059 in
- **Diameter Over Jacket, nominal**
  - 7.112 mm | 0.28 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 Voltage, maximum | 80 V
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