Copper Cable, category 7A, 4 pair, duplex, S/FTP, LSFRZH, 22 AWG solid, 500 m, white

Product Classification

Regional Availability  
Australia/New Zealand | EMEA

Portfolio  
NETCONNECT®

Product Type  
Twisted pair cable

General Specifications

ANSI/TIA Category  
7A

Cable Component Type  
Horizontal

Cable Type  
S/FTP (shielded)

Conductor Type, singles  
Solid

Conductors, quantity  
16

Jacket Color  
White

Pairs, quantity  
8

Transmission Standards  
CENELEC EN 50288-6-1 | CENELEC EN 50288-9-1 | IEC 61156-7

Dimensions

Cable Length  
500 m | 1,640.42 ft

Diameter Over Jacket, nominal  
16.51 mm | 0.65 in

Conductor Gauge, singles  
22 AWG

Cross Section Drawing
Electrical Specifications

- **Characteristic Impedance**: 100 ohm
- **Characteristic Impedance Tolerance**: ±5 ohm
- **Delay Skew, maximum**: 15 ns
- **Nominal Velocity of Propagation (NVP)**: 76 %
- **Operating Frequency, maximum**: 1200 MHz
- **Operating Voltage, maximum**: 80 V
- **Safety Voltage Rating**: 240 V
Electrical Cable Performance

| CS | CommScope |
| STD | Refers to the standard value listed under Transmission Standards in the Electrical Specifications above |
| TYP | Typical Electrical Performance |

**IL**
- Insertion Loss (dB/100m)

**ACR**
- Attenuation to Crosstalk Ratio (dB/100m)

**PSACR**
- Power Sum Attenuation to Crosstalk Ratio (dB/100m)

**PSACRF**
- Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)

**TCL**
- Transverse Conversion Loss (dB/100m)

**NEXT**
- Near End Crosstalk (dB/100m)

**PSNEXT**
- Power Sum Near End Crosstalk (dB/100m)

**ACRF**
- Attenuation to Crosstalk Ratio - Far End (dB/100m)

**RL**
- Return Loss (dB)

**ELTCTL**
- Equal Level Transverse Conversion Transfer Loss (dB/100m)

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**Material Specifications**

- **Conductor Material**: Bare copper
- **Insulation Material**: Polyolefin
- **Jacket Material**: Low Smoke Fire Retardant Zero Halogen (LSFRZH)
- **Shield (Tape) Material**: Aluminum/Polyester

**Mechanical Specifications**

- **Pulling Tension, maximum**: 22.68 kg | 50 lb

**Environmental Specifications**

- **Installation temperature**: 0 °C to +50 °C (+32 °F to +122 °F)
- **Operating Temperature**: -10 °C to +60 °C (+14 °F to +140 °F)
- **Acid Gas Test Method**: IEC 60754-2
EN50575 CPR Cable EuroClass Fire Performance         Dca
EN50575 CPR Cable EuroClass Smoke Rating             s2
EN50575 CPR Cable EuroClass Droplets Rating         d1
EN50575 CPR Cable EuroClass Acidity Rating         a1

Packaging and Weights

Cable weight 146.004 kg/km | 98.11 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