CS67ZC Category 7A S/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1640 ft (500 m) length, reel

Product Classification

Regional Availability
- EMEA

Portfolio
- NETCONNECT®

Product Type
- Twisted pair cable

General Specifications

Product Number
- CS67ZC

ANSI/TIA Category
- 7A

Cable Component Type
- Horizontal

Cable Type
- S/FTP (shielded)

Conductor Type, singles
- Solid

Conductors, quantity
- 8

Jacket Color
- White

Pairs, quantity
- 4

Transmission Standards
- ANSI/TIA-568.2-D | ISO/IEC 11801 Class FA

Dimensions

Cable Length
- 500 m | 1,640.42 ft

Cable Length Tolerance
- ±5%

Diameter Over Jacket, nominal
- 7.493 mm | 0.295 in

Jacket Thickness
- 0.635 mm | 0.025 in

Conductor Gauge, singles
- 22 AWG

Cross Section Drawing
Electrical Specifications

- **Coupling Attenuation**: Type I
- **dc Resistance Unbalance, maximum**: 2 %
- **dc Resistance, maximum**: 6.51 ohms/100 m | 1.984 ohms/100 ft
- **Mutual Capacitance at Frequency**: 4.1 nF/100 m @ 1 kHz
- **Nominal Velocity of Propagation (NVP)**: 80 %
- **Operating Frequency, maximum**: 1000 MHz
- **Operating Voltage, maximum**: 80 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)

NEXT
Near End Crosstalk (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)

RL
Return Loss (dB)

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

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

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

Freq. MHz | IL STD | NEXT STD | PSNEXT STD | ACR STD | PSACR STD | RL STD
--- | --- | --- | --- | --- | --- | ---
1 | 2.1 | 78 | 75 | 78 | 75 | 20
4 | 3.7 | 78 | 75 | 78 | 75 | 23
8 | 5.2 | 78 | 75 | 77.2 | 74.2 | 24.5
10 | 5.8 | 78 | 75 | 75.3 | 72.3 | 25
16 | 7.3 | 78 | 75 | 71.2 | 68.2 | 25
20 | 8.2 | 78 | 75 | 69.3 | 66.3 | 25
25 | 9.2 | 78 | 75 | 67.3 | 64.3 | 24.3
31.25 | 10.3 | 78 | 75 | 65.4 | 62.4 | 23.6
62.5 | 14.6 | 78 | 75 | 59.4 | 56.4 | 21.5
100 | 18.5 | 75.4 | 72.4 | 55.3 | 52.3 | 20.1
155 | 23.2 | 72.5 | 69.5 | 51.5 | 48.5 | 18.8
200 | 26.5 | 70.9 | 67.9 | 49.3 | 46.3 | 18
250 | 29.7 | 69.4 | 66.4 | 47.3 | 44.3 | 17.3
300 | 32.7 | 68.2 | 65.2 | 45.8 | 42.8 | 17.3
350 | 35.4 | 67.2 | 64.2 | 44.4 | 41.4 | 17.3
400 | 38 | 66.4 | 63.4 | 43.3 | 40.3 | 17.3
500 | 42.8 | 64.9 | 61.9 | 41.3 | 38.3 | 17.3
550 | 45 | 64.3 | 61.3 | 40.5 | 37.5 | 17.3
600 | 47.1 | 63.7 | 60.7 | 39.7 | 36.7 | 17.3
650 | 49.2 | 63.2 | 60.2 | 39 | 36 | 17
700 | 51.1 | 62.7 | 59.7 | 38.4 | 35.4 | 16.6
750 | 53.1 | 62.3 | 59.3 | 37.8 | 34.8 | 16.3
800 | 54.9 | 61.9 | 58.9 | 37.2 | 34.2 | 16.1
850 | 56.7 | 61.5 | 58.5 | 36.7 | 33.7 | 15.8
900 | 58.5 | 61.1 | 58.1 | 36.2 | 33.2 | 15.5
950 | 60.2 | 60.7 | 57.7 | 35.7 | 32.7 | 15.3
1,000 | 61.9 | 60.4 | 57.4 | 35.3 | 32.3 | 15.1
1,100 | 65.2 | 59.8 | 56.8 | 34.5 | 31.5 | 14.7
1,200 | 68.4 | 59.2 | 56.2 | 33.7 | 30.7 | 14.3

Material Specifications

Conductor Material
Bare copper

Insulation Material
Polyolefin
Jacket Material: Low Smoke Zero Halogen (LSZH)
Shield (Braid) Material: Tinned copper
Shield (Tape) Material: Polyester/Aluminum shield

Mechanical Specifications
Pulling Tension, maximum: 11.34 kg | 25 lb

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)
Acid Gas Test Method: EN 50267-2-3
EN50575 CPR Cable EuroClass Fire Performance: Cca
EN50575 CPR Cable EuroClass Smoke Rating: s1
EN50575 CPR Cable EuroClass Droplets Rating: d1
EN50575 CPR Cable EuroClass Acidity Rating: a1
Environmental Space: Low Smoke Zero Halogen (LSZH)
Smoke Test Method: IEC 61034-2

Packaging and Weights
Cable weight: 65.301 kg/km | 43.88 lb/kft
Packaging Type: Reel

Regulatory Compliance/Certifications
Agency: CENELEC
Classification: EN 50575 compliant, Declaration of Performance (DoP) available
Classification: Designed, manufactured and/or distributed under this quality management system