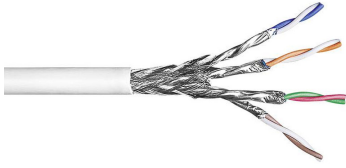


884019038/32 | CS64ZB WHT C7A 4/23 S/FTP RL 1KM



CS64ZB Category 7A S/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 3280 ft (1000 m) length, reel

Product Classification

| | |
|------------------------------|--------------------|
| Regional Availability | EMEA |
| Portfolio | NETCONNECT® |
| Product Type | Twisted pair cable |

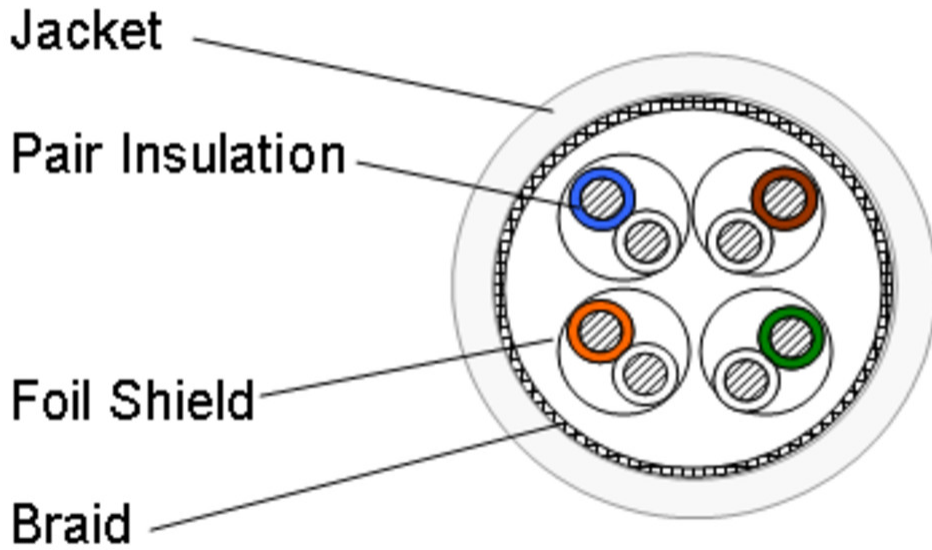
General Specifications

| | |
|--------------------------------|---|
| Product Number | CS64ZB |
| 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 | 1,000 m 3,280.84 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 | 23 AWG |

Cross Section Drawing



Electrical Specifications

| | |
|--|------------------------------------|
| Coupling Attenuation | Type I |
| dc Resistance Unbalance, maximum | 2 % |
| dc Resistance, maximum | 7.61 ohms/100 m 2.32 ohms/100 ft |
| Mutual Capacitance at Frequency | 4.3 nF/100 m @ 1 kHz |
| Nominal Velocity of Propagation (NVP) | 76 % |
| 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) | PSNEXT | Power Sum Near End Crosstalk (db/100m) |
| PSACR | Power Sum Attenuation to Crosstalk Ratio (dB/100m) | ACRF | Attenuation to Crosstalk Ratio - Far End (dB/100m) |
| PSACRF | Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m) | RL | Return Loss (dB) |
| TCL | Transverse Conversion Loss (dB/100m) | ELTCTL | Equal Level Transverse Conversion Transfer Loss (dB/100m) |

| Freq. MHz | IL | NEXT | PSNEXT | ACRF | PSACRF | RL |
|-----------|------|------|--------|------|--------|------|
| | STD | STD | STD | STD | STD | 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 |

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| | |
|--------------------------------|-------------------------------|
| 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 | B2ca |
| 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) |
| Flame Test Method | EN 50399 IEC 60332-3-24 |
| Smoke Test Method | IEC 61034-2 |

Packaging and Weights

| | |
|-----------------------|-----------------------------|
| Cable weight | 64.199 kg/km 43.14 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 |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| ROHS | Compliant |

