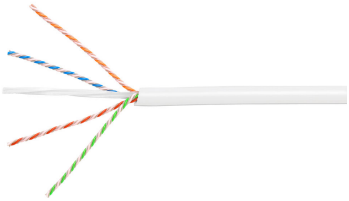
# 884036114/10 | CS44Z3 WHT C6A 4/23 U/UTP CPK 305M



CS44Z3 ETL Verified Category 6A U/UTP LSZH Cable, white jacket, 4 pair count, 1000 ft (305 m) length, CommPak

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia \| Australia/New Zealand \| EMEA \| Latin America |
| **Portfolio** | NETCONNECT® |
| **Product Type** | Twisted pair cable |

## General Specifications

| | |
|---|---|
| **Product Number** | CS44Z3 |
| **ANSI/TIA Category** | 6A |
| **Cable Component Type** | Horizontal |
| **Cable Type** | U/UTP (unshielded) |
| **Conductor Type, singles** | Solid |
| **Conductors, quantity** | 8 |
| **Jacket Color** | White |
| **Pairs, quantity** | 4 |
| **Separator Type** | Isolator |
| **Transmission Standards** | ANSI/TIA-568.2-D \| ISO/IEC 11801 Class EA |

## Dimensions

| | |
|---|---|
| **Cable Length** | 304.8 m \| 1000 ft |
| **Diameter Over Conductor** | 0.864 mm \| 0.034 in |
| **Diameter Over Jacket, nominal** | 7.239 mm \| 0.285 in |
| **Jacket Thickness** | 1.295 mm \| 0.051 in |
| **Conductor Gauge, singles** | 23 AWG |

## Cross Section Drawing

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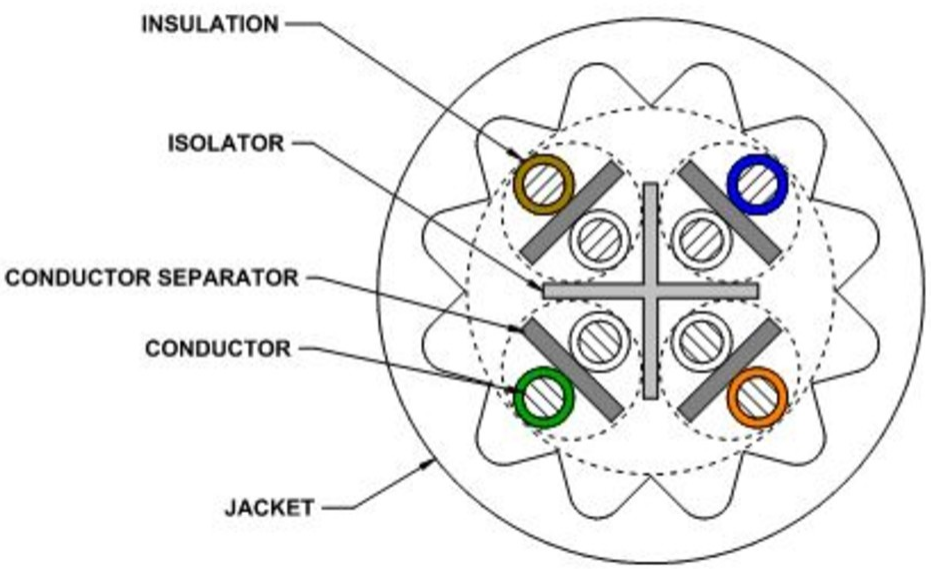


## Electrical Specifications

| | |
|---|---|
| **dc Resistance Unbalance, maximum** | 4 % |
| **dc Resistance, maximum** | 7.61 ohms/100 m \| 2.32 ohms/100 ft |
| **Mutual Capacitance at Frequency** | 6.0 nF/100 m @ 1 kHz |
| **Nominal Velocity of Propagation (NVP)** | 66 % |
| **Operating Frequency, maximum** | 550 MHz |
| **Operating Voltage, maximum** | 80 V |
| **Remote Powering** | Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A |
| **Safety Voltage Rating** | 300 V |
| **Segregation Class** | c |

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## 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) |

| Freq. MHz | IL | | NEXT | | ACR | | PSNEXT | | PSACR | | ACRF | | PSACRF | | RL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | TYP | STD | TYP | STD | TYP | STD | TYP | STD | TYP | STD | TYP | STD | TYP | STD | TYP |
| 1 | 2.1 | 1.8 | 74.3 | 90.6 | 72.2 | 88.8 | 72.3 | 88.3 | 70.2 | 86.5 | 67.8 | 82.1 | 64.8 | 80.3 | 20 | 32.2 |
| 4 | 3.8 | 3.6 | 65.3 | 82.4 | 61.5 | 78.8 | 63.3 | 80.2 | 59.5 | 76.6 | 55.8 | 70.1 | 52.8 | 68.4 | 23 | 33.9 |
| 8 | 5.3 | 5.1 | 60.8 | 77.6 | 55.4 | 72.5 | 58.8 | 75.8 | 53.4 | 70.7 | 49.7 | 64.1 | 46.7 | 62.3 | 24.5 | 36.7 |
| 10 | 5.9 | 5.7 | 59.3 | 76.4 | 53.4 | 70.7 | 57.3 | 74.4 | 51.4 | 68.7 | 47.8 | 62.2 | 44.8 | 60.4 | 25 | 37.7 |
| 16 | 7.5 | 7.3 | 56.2 | 73.1 | 48.8 | 65.9 | 54.2 | 71.3 | 46.8 | 64 | 43.7 | 58.2 | 40.7 | 56.4 | 25 | 38.7 |
| 20 | 8.4 | 8.1 | 54.8 | 71.5 | 46.4 | 63.4 | 52.8 | 69.7 | 44.4 | 61.6 | 41.8 | 56.4 | 38.8 | 54.5 | 25 | 38.7 |
| 25 | 9.4 | 9.1 | 53.3 | 70.2 | 44 | 61.1 | 51.3 | 68.3 | 42 | 59.2 | 39.8 | 54.5 | 36.8 | 52.6 | 24.3 | 35.5 |
| 31.25 | 10.5 | 10.2 | 51.9 | 68.6 | 41.4 | 58.4 | 49.9 | 66.7 | 39.4 | 56.5 | 37.9 | 52.7 | 34.9 | 50.7 | 23.6 | 37.2 |
| 62.5 | 15 | 14.6 | 47.4 | 64.2 | 32.4 | 49.6 | 45.4 | 62.3 | 30.4 | 47.7 | 31.9 | 46.6 | 28.9 | 44.7 | 21.5 | 34.6 |
| 100 | 19.1 | 18.6 | 44.3 | 60.8 | 25.2 | 42.1 | 42.3 | 59 | 23.2 | 40.3 | 27.8 | 42.5 | 24.8 | 40.5 | 20.1 | 30.3 |
| 155 | 24.1 | 23.4 | 41.4 | 58.4 | 17.4 | 35 | 39.4 | 56.4 | 15.4 | 33 | 24 | 38.9 | 21 | 37 | 18.8 | 30.8 |
| 200 | 27.6 | 26.8 | 39.8 | 56 | 12.2 | 29.2 | 37.8 | 54.2 | 10.2 | 27.4 | 21.8 | 36.6 | 18.8 | 34.6 | 18 | 30 |
| 250 | 31.1 | 30.1 | 38.3 | 54.3 | 7.3 | 24.2 | 36.3 | 52.5 | 5.3 | 22.3 | 19.8 | 34.6 | 16.8 | 32.6 | 17.3 | 30.5 |
| 300 | 34.3 | 33.1 | 37.1 | 53.1 | 2.9 | 19.9 | 35.1 | 51.2 | 0.9 | 18.1 | 18.3 | 33.1 | 15.3 | 31.2 | 16.8 | 31.1 |
| 350 | 37.2 | 36 | 36.1 | 51.8 | -1.1 | 15.8 | 34.1 | 49.9 | -3.1 | 13.9 | 16.9 | 31.9 | 13.9 | 29.9 | 16.3 | 31.7 |
| 400 | 40.1 | 38.8 | 35.3 | 50.8 | -4.8 | 12 | 33.3 | 48.8 | -6.8 | 10 | 15.8 | 30.6 | 12.8 | 28.6 | 15.9 | 31.5 |
| 500 | 45.3 | 43.6 | 33.8 | 47.9 | -11.4 | 4.3 | 31.8 | 45.8 | -13.4 | 2.2 | 13.8 | 28.7 | 10.8 | 26.7 | 15.2 | 32 |
| 550 | | 43.8 | | 48 | | 4.1 | | 45.9 | | 2 | | 28.6 | | 26.7 | | 31.9 |
| 650 | | 50.2 | | 43.5 | | -6.7 | | 41.5 | | -8.8 | | 25.7 | | 23.5 | | 25.3 |

## Material Specifications

| | |
|---|---|
| **Conductor Material** | Bare copper |
| **Insulation Material** | Polyolefin |
| **Jacket Material** | Low Smoke Zero Halogen (LSZH) |
| **Separator Material** | Polyolefin |
| **Separator 2 Material** | Polyolefin |

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | 0 °C to +60 °C (+32 °F to +140 °F) |
| **Operating Temperature** | -20 °C to +60 °C (-4 °F to +140 °F) |

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| | |
|---|---|
| **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** | d2 |
| **EN50575 CPR Cable EuroClass Acidity Rating** | a1 |
| **Environmental Space** | Low Smoke Zero Halogen (LSZH) |
| **Flame Test Method** | IEC 60332-3-22 |
| **Smoke Test Method** | IEC 61034-2 |

## 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 |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |