

8441704/10 | 10GN4 WHITE REEL



Ultra 10® 10GN4 ETL Verified Category 6A U/UTP Cable, non-plenum, white jacket, 4 pair count, 1000 ft (305 m) length reel

OBSOLETE

Replaced By:

UN884025504/10

CS44R WHT C6A 4/23 U/UTP RL 1KFT

CS44R ETL Verified Category 6A U/UTP Cable, non-plenum, white jacket, 4 pair count, 1000 ft (305 m) length reel

Product Classification

| | |
|------------------------------|--------------------|
| Regional Availability | North America |
| Portfolio | Uniprise® |
| Product Type | Twisted pair cable |
| Product Brand | Ultra 10® |

General Specifications

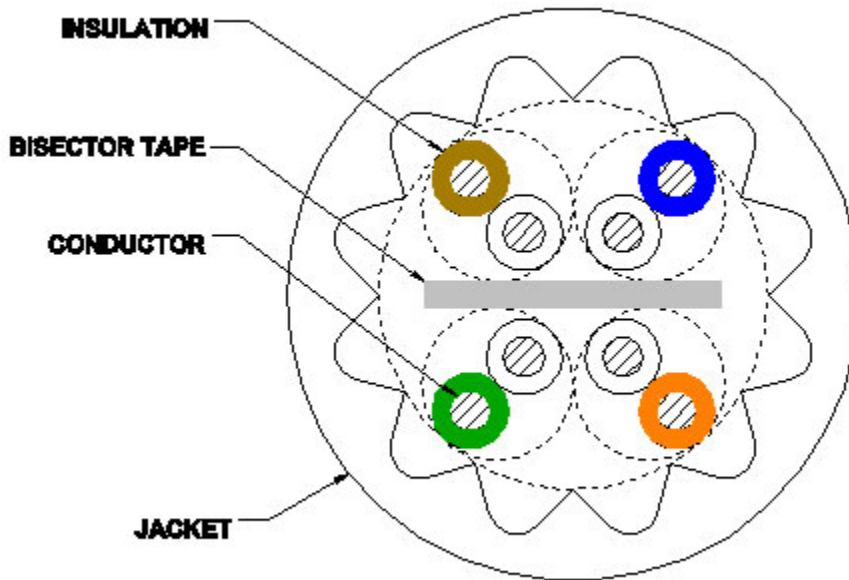
| | |
|--------------------------------|--------------------|
| Product Number | 10GN4 |
| ANSI/TIA Category | 6A |
| Cable Component Type | Horizontal |
| Cable Type | U/UTP (unshielded) |
| Conductor Type, singles | Solid |
| Conductors, quantity | 8 |
| Jacket Color | White |
| Pairs, quantity | 4 |
| Separator Type | Bisector |
| Transmission Standards | ANSI/TIA-568.2-D |

Dimensions

| | |
|--------------------------------------|---------------------|
| Cable Length | 304.8 m 1000 ft |
| Diameter Over Jacket, nominal | 8.001 mm 0.315 in |
| Jacket Thickness | 1.473 mm 0.058 in |
| Conductor Gauge, singles | 23 AWG |

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Cross Section Drawing



Electrical Specifications

| | |
|--|---|
| dc Resistance Unbalance, maximum | 4 % |
| dc Resistance, maximum | 7.61 ohms/100 m 2.32 ohms/100 ft |
| Dielectric Strength, minimum | 1500 Vac 2500 Vdc |
| Mutual Capacitance at Frequency | 6.0 nF/100 m @ 1 kHz |
| Nominal Velocity of Propagation (NVP) | 65 % |
| Operating Frequency, maximum | 500 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 |

Electrical Cable Performance

| | | | |
|---------------|---|---------------|---|
| CS | CommScope | NEXT | Near End Crosstalk (dB/100m) |
| STD | Refers to the standard value listed under Transmission Standards in the Electrical Specifications above | PSNEXT | Power Sum Near End Crosstalk (db/100m) |
| TYP | Typical Electrical Performance | ACRF | Attenuation to Crosstalk Ratio - Far End (dB/100m) |
| IL | Insertion Loss (dB/100m) | RL | Return Loss (dB) |
| ACR | Attenuation to Crosstalk Ratio (dB/100m) | ELTCTL | Equal Level Transverse Conversion Transfer Loss (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) | | |

| Freq. MHz | IL | NEXT | ACR | PSNEXT | PSACR | ACRF | PSACRF | RL | TCL | ELTCTL |
|-----------|------|------|-------|--------|-------|------|--------|------|------|--------|
| | STD | STD | STD | STD | STD | STD | STD | STD | STD | STD |
| 1 | 2.1 | 74.3 | 72.2 | 72.3 | 70.2 | 67.8 | 64.8 | 20 | 40 | 35 |
| 4 | 3.8 | 65.3 | 61.5 | 63.3 | 59.5 | 55.8 | 52.8 | 23 | 40 | 23 |
| 8 | 5.3 | 60.8 | 55.4 | 58.8 | 53.4 | 49.7 | 46.7 | 24.5 | 40 | 16.9 |
| 10 | 5.9 | 59.3 | 53.4 | 57.3 | 51.4 | 47.8 | 44.8 | 25 | 40 | 15 |
| 16 | 7.5 | 56.2 | 48.8 | 54.2 | 46.8 | 43.7 | 40.7 | 25 | 38 | 10.9 |
| 20 | 8.4 | 54.8 | 46.4 | 52.8 | 44.4 | 41.8 | 38.8 | 25 | 37 | 9 |
| 25 | 9.4 | 53.3 | 44 | 51.3 | 42 | 39.8 | 36.8 | 24.3 | 36 | 7 |
| 31.25 | 10.5 | 51.9 | 41.4 | 49.9 | 39.4 | 37.9 | 34.9 | 23.6 | 35.1 | |
| 62.5 | 15 | 47.4 | 32.4 | 45.4 | 30.4 | 31.9 | 28.9 | 21.5 | 32 | |
| 100 | 19.1 | 44.3 | 25.2 | 42.3 | 23.2 | 27.8 | 24.8 | 20.1 | 30 | |
| 155 | 24.1 | 41.4 | 17.4 | 39.4 | 15.4 | 24 | 21 | 18.8 | 28.1 | |
| 200 | 27.6 | 39.8 | 12.2 | 37.8 | 10.2 | 21.8 | 18.8 | 18 | 27 | |
| 250 | 31.1 | 38.3 | 7.3 | 36.3 | 5.3 | 19.8 | 16.8 | 17.3 | 26 | |
| 300 | 34.3 | 37.1 | 2.9 | 35.1 | 0.9 | 18.3 | 15.3 | 16.8 | 25.2 | |
| 350 | 37.2 | 36.1 | -1.1 | 34.1 | -3.1 | 16.9 | 13.9 | 16.3 | 24.6 | |
| 400 | 40.1 | 35.3 | -4.8 | 33.3 | -6.8 | 15.8 | 12.8 | 15.9 | 24 | |
| 500 | 45.3 | 33.8 | -11.4 | 31.8 | -13.4 | 13.8 | 10.8 | 15.2 | 23 | |

Material Specifications

| | |
|----------------------------|-------------|
| Conductor Material | Bare copper |
| Insulation Material | Polyolefin |
| Jacket Material | PVC |
| Separator Material | Polyolefin |

Mechanical Specifications

Pulling Tension, maximum 11.34 kg | 25 lb

Environmental Specifications

Installation temperature 0 °C to +60 °C (+32 °F to +140 °F)

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Operating Temperature -20 °C to +60 °C (-4 °F to +140 °F)

Environmental Space Non-plenum

Flame Test Method CMR

Packaging and Weights

Cable weight 60.419 kg/km | 40.6 lb/kft

Packaging Type Reel

Regulatory Compliance/Certifications

Agency

ISO 9001:2015



Classification

Designed, manufactured and/or distributed under this quality management system