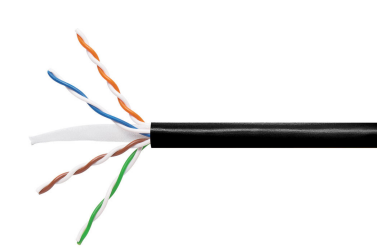


UN884019904/10 | CS340 BLK C6 4/24 U/UTP RL 1KFT



CS340 Category 6 U/UTP filled Cable, outdoor direct burial, black jacket, 4 pair count, 1000 ft (305 m) length, reel

Product Classification

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

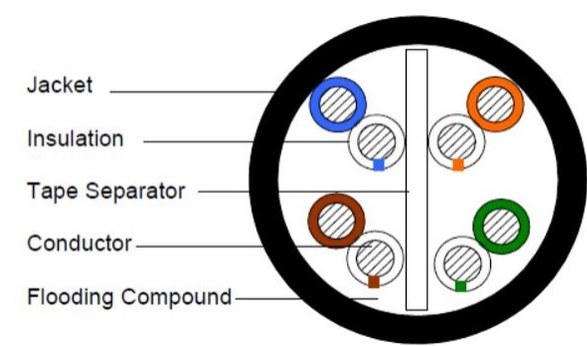
General Specifications

| | |
|-------------------------|--|
| Product Number | CS340 |
| ANSI/TIA Category | 6 |
| Cable Component Type | Horizontal |
| Cable Type | U/UTP (unshielded) |
| Conductor Type, singles | Solid |
| Conductors, quantity | 8 |
| Jacket Color | Black |
| Note | All electrical transmission tests include swept frequency measurements |
| Pairs, quantity | 4 |
| Separator Type | Isolator |
| Transmission Standards | ANSI/TIA-568.2-D CENELEC EN 50288-6-1 ISO/IEC 11801 Class E |

Dimensions

| | |
|-------------------------------|---------------------|
| Cable Length | 304.8 m 1000 ft |
| Diameter Over Jacket, nominal | 6.223 mm 0.245 in |
| Jacket Thickness | 0.635 mm 0.025 in |
| Conductor Gauge, singles | 24 AWG |

Cross Section Drawing



Electrical Specifications

| | |
|---------------------------------------|---|
| Characteristic Impedance | 100 ohm |
| dc Resistance Unbalance, maximum | 5 % |
| dc Resistance, maximum | 9.38 ohms/100 m 2.859 ohms/100 ft |
| Delay Skew, maximum | 45 ns |
| 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 | 250 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 | | |
| 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 | | ACR | | PSNEXT | | PSACR | | ACRF | | PSACRF | | RL | | TCL | ELTCTL |
|--------------|------|------|------|------|------|------|--------|------|-------|------|------|------|--------|------|------|------|------|--------|
| | STD | TYP | STD | TYP | STD | TYP | STD | TYP | STD | TYP | STD | TYP | STD | TYP | STD | TYP | STD | STD |
| 1 | 2 | 1.7 | 74.3 | 90.1 | 72.3 | 88.4 | 72.3 | 88.2 | 70.3 | 86.5 | 67.8 | 85.2 | 64.8 | 83.7 | 20 | 30.6 | 40 | 35 |
| 4 | 3.8 | 3.4 | 65.3 | 81.3 | 61.5 | 77.9 | 63.3 | 79.4 | 59.5 | 76 | 55.8 | 73.5 | 52.8 | 72.1 | 23 | 29 | 40 | 23 |
| 8 | 5.3 | 4.8 | 60.8 | 77 | 55.4 | 72.1 | 58.8 | 74.9 | 53.4 | 70.1 | 49.7 | 67.6 | 46.7 | 66 | 24.5 | 31.6 | 40 | 16.9 |
| 10 | 6 | 5.4 | 59.3 | 74.9 | 53.3 | 69.5 | 57.3 | 73 | 51.3 | 67.6 | 47.8 | 65.7 | 44.8 | 64.1 | 25 | 32.7 | 40 | 15 |
| 16 | 7.6 | 6.9 | 56.2 | 71.7 | 48.7 | 64.8 | 54.2 | 69.7 | 46.7 | 62.8 | 43.7 | 61.6 | 40.7 | 59.9 | 25 | 34.8 | 38 | 10.9 |
| 20 | 8.5 | 7.7 | 54.8 | 69.5 | 46.3 | 61.8 | 52.8 | 67.7 | 44.3 | 60 | 41.8 | 59.6 | 38.8 | 57.9 | 25 | 35.8 | 37 | 9 |
| 25 | 9.5 | 8.6 | 53.3 | 67.8 | 43.8 | 59.2 | 51.3 | 66 | 41.8 | 57.4 | 39.8 | 57.6 | 36.8 | 55.9 | 24.3 | 35.6 | 36 | 7 |
| 31.25 | 10.7 | 9.6 | 51.9 | 66.7 | 41.2 | 57.1 | 49.9 | 64.9 | 39.2 | 55.2 | 37.9 | 55.6 | 34.9 | 53.8 | 23.6 | 35.6 | 35.1 | |
| 62.5 | 15.4 | 13.8 | 47.4 | 62.3 | 32 | 48.5 | 45.4 | 60.4 | 30 | 46.6 | 31.9 | 48.5 | 28.9 | 47 | 21.5 | 29.7 | 32 | |
| 100 | 19.8 | 17.7 | 44.3 | 58.8 | 24.5 | 41.1 | 42.3 | 57.1 | 22.5 | 39.4 | 27.8 | 42.5 | 24.8 | 41.5 | 20.1 | 26.1 | 30 | |
| 155 | 25.2 | 22.3 | 41.4 | 56.2 | 16.3 | 33.9 | 39.4 | 54.5 | 14.3 | 32.2 | 24 | 37.9 | 21 | 36.7 | 18.8 | 22.6 | 28.1 | |
| 200 | 29 | 25.6 | 39.8 | 54.2 | 10.8 | 28.6 | 37.8 | 52.6 | 8.8 | 27 | 21.8 | 36.5 | 18.8 | 35.3 | 18 | 20.5 | 27 | |
| 250 | 32.8 | 28.9 | 38.3 | 51.4 | 5.5 | 22.5 | 36.3 | 49.9 | 3.5 | 21 | 19.8 | 35.2 | 16.8 | 33.8 | 17.3 | 18.6 | 26 | |
| 300 | | 31.9 | | 49.4 | | 17.5 | | 48 | | 16.1 | | 31.9 | | 30.7 | | 17.3 | | |
| 350 | | 34.8 | | 46.5 | | 11.8 | | 45.2 | | 10.5 | | 30.3 | | 29 | | 16.1 | | |
| 400 | | 37.3 | | 44.3 | | 7 | | 43 | | 5.7 | | 29.1 | | 27.7 | | 15.1 | | |
| 450 | | 39.7 | | 43.6 | | 3.9 | | 42.6 | | 2.8 | | 27.1 | | 25.5 | | 14.4 | | |
| 500 | | 42.3 | | 42.8 | | 0.5 | | 41.7 | | -0.6 | | 26.7 | | 25 | | 13.9 | | |
| 550 | | 44.7 | | 42.6 | | -2.1 | | 41.4 | | -3.3 | | 25.1 | | 23.6 | | 13.4 | | |
| 600 | | 46.8 | | 43.5 | | -3.4 | | 42.3 | | -4.5 | | 23.4 | | 21.8 | | 13.3 | | |
| 650 | | 49 | | 43.7 | | -5.2 | | 42.1 | | -6.9 | | 22.8 | | 20.7 | | 12.9 | | |

Material Specifications

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

Mechanical Specifications

| | |
|--------------------------|------------------|
| Pulling Tension, maximum | 11.34 kg 25 lb |
|--------------------------|------------------|

Environmental Specifications

| | |
|--------------------------|---|
| Installation temperature | -30 °C to +70 °C (-22 °F to +158 °F) |
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Environmental Note | UV resistant for outdoor and/or direct burial installations |
| Environmental Space | Buried |
| Safety Standard | ANSI/ICEA S-107-704-2012 |

Packaging and Weights

| | |
|----------------|----------------------------|
| Cable weight | 39.288 kg/km 26.4 lb/kft |
| Packaging Type | Reel |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| 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 |
| UK-ROHS | Compliant |

