



CS410 Category 6A F/UTP twisted pair cable, outdoor direct burial, gel-filled, black jacket, 4 pair count, 1000 ft (305 m) length reel "ANATEL CERTIFIED"

Product Classification

| | |
|-----------------------|--|
| Regional Availability | Asia Australia/New Zealand Latin America |
| Portfolio | CommScope® |
| Product Type | Twisted pair cable |

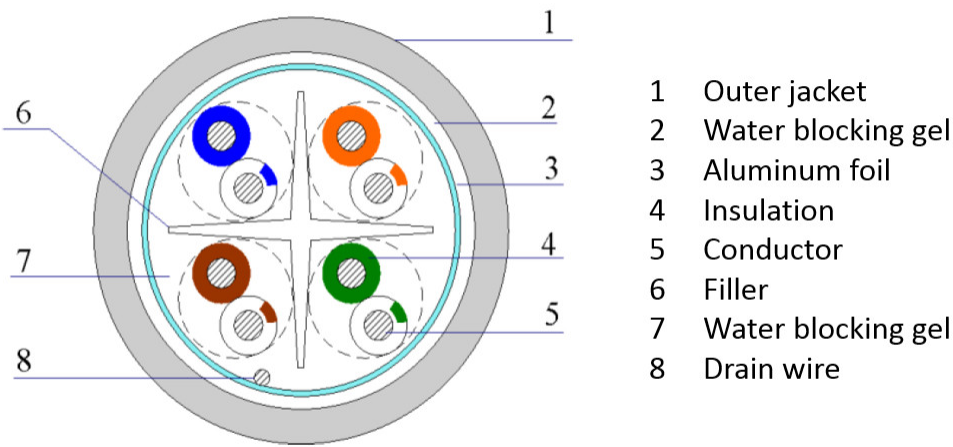
General Specifications

| | |
|------------------------|---|
| ANSI/TIA Category | 6A |
| Cable Component Type | Horizontal |
| Cable Type | F/UTP (shielded) |
| Conductors, quantity | 8 |
| Construction Type | Non-armored |
| Jacket Color | Black |
| Pairs, quantity | 4 |
| Transmission Standards | ANSI/TIA-568.2-D IEC 61156-5 ISO/IEC 11801 Class EA |

Dimensions

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|--------------------------------|---------------------|
| Cable Length | 304.8 m 1000 ft |
| Diameter Over Jacket, nominal | 7.899 mm 0.311 in |
| Diameter Over Jacket Tolerance | ±0.3 mm |
| Conductor Gauge, singles | 23 AWG |
| Drain Wire Gauge | 26 AWG |

Cross Section Drawing



Electrical Specifications

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|---------------------------------------|---|
| dc Resistance Unbalance, maximum | 2 % |
| dc Resistance, maximum | 9.38 ohms/100 m 2.859 ohms/100 ft |
| Delay Skew, maximum | 45 ns |
| Mutual Capacitance at Frequency | 5.6 nF/100 m @ 1 kHz |
| Nominal Velocity of Propagation (NVP) | 66 % |
| 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 |

Material Specifications

| | |
|------------------------|-------------------|
| Conductor Material | Bare copper |
| Drain Wire Material | Tinned copper |
| Insulation Material | Polyethylene |
| Jacket Material | PE UV resistant |
| Shield (Tape) Material | Aluminum, foil |

Mechanical Specifications

| | |
|--------------------------|----------------------------------|
| Minimum Bend Radius Note | 8 times the outer cable diameter |
| Pulling Tension, maximum | 11.34 kg 25 lb |

Environmental Specifications

| | |
|--------------------------|--------------------------------------|
| Installation temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
| Operating Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |
| Environmental Space | Buried Outdoor |
| Safety Standard | UL 444 |

Packaging and Weights

| | |
|----------------|----------------------------|
| Cable weight | 75.003 kg/km 50.4 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 |
| RCM | Compliant to electrical safety & telecommunications requirements |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |

