



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

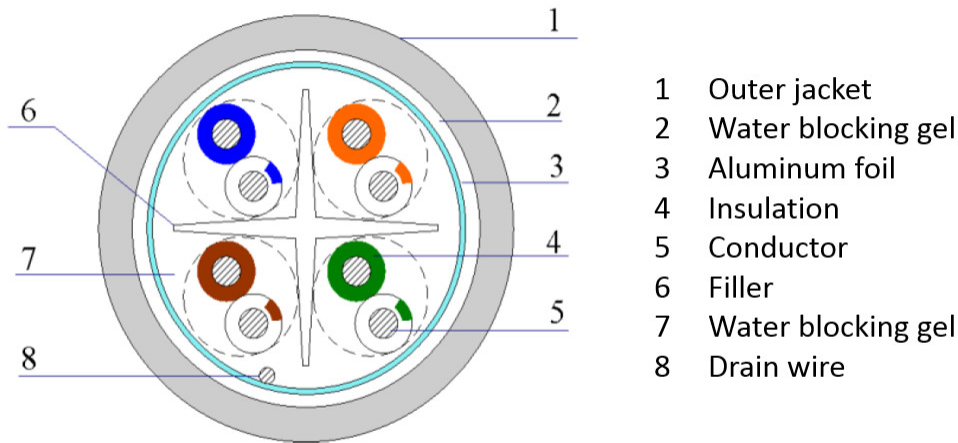
General Specifications

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

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



- 1 Outer jacket
- 2 Water blocking gel
- 3 Aluminum foil
- 4 Insulation
- 5 Conductor
- 6 Filler
- 7 Water blocking gel
- 8 Drain wire

Electrical Specifications

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

