



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

<b>Regional Availability</b>	Asia   Australia/New Zealand   Latin America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Twisted pair cable

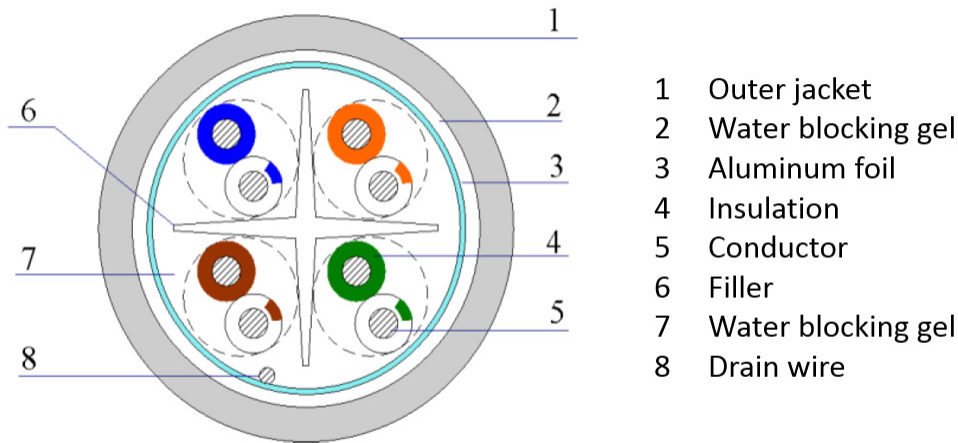
## General Specifications

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

## Dimensions

<b>Cable Length</b>	304.8 m   1000 ft
<b>Diameter Over Jacket, nominal</b>	7.899 mm   0.311 in
<b>Diameter Over Jacket Tolerance</b>	±0.3 mm
<b>Conductor Gauge, singles</b>	23 AWG
<b>Drain Wire Gauge</b>	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

<b>dc Resistance Unbalance, maximum</b>	2 %
<b>dc Resistance, maximum</b>	9.38 ohms/100 m   2.859 ohms/100 ft
<b>Delay Skew, maximum</b>	45 ns
<b>Mutual Capacitance at Frequency</b>	5.6 nF/100 m @ 1 kHz
<b>Nominal Velocity of Propagation (NVP)</b>	66 %
<b>Operating Voltage, maximum</b>	80 V
<b>Remote Powering</b>	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

<b>Conductor Material</b>	Bare copper
<b>Drain Wire Material</b>	Tinned copper
<b>Insulation Material</b>	Polyethylene
<b>Jacket Material</b>	PE   UV resistant
<b>Shield (Tape) Material</b>	Aluminum, foil

## Mechanical Specifications

<b>Minimum Bend Radius Note</b>	8 times the outer cable diameter
<b>Pulling Tension, maximum</b>	11.34 kg   25 lb

## Environmental Specifications

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

## Packaging and Weights

<b>Cable weight</b>	75.003 kg/km   50.4 lb/kft
<b>Packaging Type</b>	Reel

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

