

CS34P-IO Indoor/Outdoor Category 6 U/UTP Cable, plenum, outdoor rated, black jacket, 4 pair count, 1000 ft (305 m) length reel



- Cable carries a Red-List Free designation
- Red-List supports the ILFI's Living Building Challenge program
- Critical for sustainable building programs like LEED

## Product Classification

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

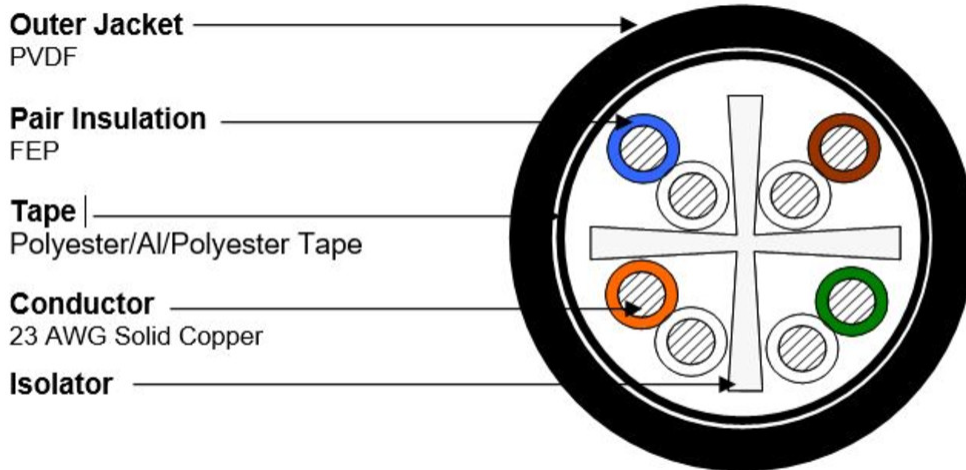
## General Specifications

<b>Product Number</b>	CS34P-IO
<b>ANSI/TIA Category</b>	6
<b>Cable Component Type</b>	Horizontal
<b>Cable Type</b>	U/UTP (unshielded)
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Jacket Color</b>	Black
<b>Pairs, quantity</b>	4
<b>Separator Type</b>	Isolator
<b>Transmission Standards</b>	ANSI/TIA-568.2-D

## Dimensions

<b>Cable Length</b>	304.8 m   1000 ft
<b>Diameter Over Conductor</b>	1.115 mm   0.044 in
<b>Diameter Over Jacket, nominal</b>	6.756 mm   0.266 in
<b>Jacket Thickness</b>	0.457 mm   0.018 in
<b>Conductor Gauge, singles</b>	23 AWG

## Cross Section Drawing



## Electrical Specifications

<b>dc Resistance Unbalance, maximum</b>	4 %
<b>dc Resistance, maximum</b>	8 ohms/100 m   2.438 ohms/100 ft
<b>Delay Skew, maximum</b>	45 ns
<b>Dielectric Strength, minimum</b>	1500 Vac   2500 Vdc
<b>Mutual Capacitance at Frequency</b>	5.6 nF/100 m @ 1 kHz
<b>Nominal Velocity of Propagation (NVP)</b>	70 %
<b>Operating Frequency, maximum</b>	250 MHz
<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
<b>Safety Voltage Rating</b>	300 V

## Material Specifications

<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	FEP
<b>Jacket Material</b>	PVDF
<b>Separator Material</b>	FEP
<b>Tape Material</b>	Poly/Aluminum/Poly

## Mechanical Specifications

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

## Environmental Specifications

**Installation temperature** -25 °C to +75 °C (-13 °F to +167 °F)

**Operating Temperature** -40 °C to +75 °C (-40 °F to +167 °F)

**EN50575 CPR Cable EuroClass Fire Performance** No Rating

**Environmental Note** Cable is not suitable for direct burial applications | Cable jacket must remain unabraded to avoid water ingress | Water must not be allowed to ingress into the cable ends

**Environmental Space** Indoor/Outdoor | Plenum | Sunlight resistant

**Fire Safety Listing** CMP | CMX

**Flame Test Method** CMP/FT6 | NEC Article 800 | NFPA 262 | UL 444 | UL 910

**Safety Standard** UL 444

**Smoke Test Method** CMP/FT6 | NFPA 262

## Packaging and Weights

**Cable weight** 42.859 kg/km | 28.8 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

