

# 874036404/10 | CS44P-IO BLK C6A 4/23 U/UTP RL 1KFT RED-LIST FREE



CS44P-IO Indoor/Outdoor Category 6A U/UTP Cable, plenum, outdoor rated, black jacket, 4 pair count, 1000 ft (305 m) length reel, Red List Free

- 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>	CS44P-IO
<b>ANSI/TIA Category</b>	6A
<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>	6.858 mm   0.27 in
<b>Jacket Thickness</b>	0.457 mm   0.018 in
<b>Conductor Gauge, singles</b>	23 AWG

## Electrical Specifications

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<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>LP (Limited Power) Rating</b>	0.7 A
<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>	500 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

<b>Pulling Tension, maximum</b>	11.34 kg   25 lb
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## Environmental Specifications

<b>Installation temperature</b>	-25 °C to +75 °C (-13 °F to +167 °F)
<b>Operating Temperature</b>	-40 °C to +75 °C (-40 °F to +167 °F)
<b>Environmental Note</b>	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
<b>Environmental Space</b>	Indoor/Outdoor   Plenum   Sunlight resistant
<b>Temperature Rating, ETL</b>	105 °C   221 °F
<b>Flame Test Method</b>	CMP/FT6   NEC Article 800   NFPA 262   UL 444   UL 910
<b>Safety Standard</b>	ANSI/ICEA S-100-685
<b>Smoke Test Method</b>	CMP/FT6

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## 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 [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

ROHS

Compliant

