

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



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

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Portfolio

CommScope®

Product Type

Twisted pair cable

General Specifications

Product Number

CS44P-IO

ANSI/TIA Category

6A

Cable Component Type

Horizontal

Cable Type

U/UTP (unshielded)

Conductor Type, singles

Solid

Conductors, quantity

8

Jacket Color

Black

Pairs, quantity

4

Separator Type

Isolator

Transmission Standards

ANSI/TIA-568.2-D

Dimensions

Cable Length

304.8 m | 1000 ft

Diameter Over Insulated Conductor

1.115 mm | 0.044 in

Diameter Over Jacket, nominal

6.858 mm | 0.27 in

Jacket Thickness

0.457 mm | 0.018 in

Conductor Gauge, singles

23 AWG

Electrical Specifications

dc Resistance Unbalance, maximum

4 %

dc Resistance, maximum

8 ohms/100 m | 2.438 ohms/100 ft

Delay Skew, maximum

45 ns

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Dielectric Strength, minimum	1500 Vac 2500 Vdc
LP (Limited Power) Rating	0.7 A
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	70 %
Operating Frequency, maximum	500 MHz
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
Safety Voltage Rating	300 V

Material Specifications

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

Mechanical Specifications

Pulling Tension, maximum	11.34 kg 25 lb
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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)
Environmental Note	Cable is not suitable for direct burial applications Cable jacket must remain unabraded to avoid water ingress This cable is intended for installation in below-grade conduit, duct and wet environments Water must not be allowed to ingress into the cable ends
Environmental Space	Indoor/Outdoor Plenum Sunlight resistant
Temperature Rating, ETL	105 °C 221 °F
Flame Test Method	CMP/FT6 NEC Article 800 NFPA 262 UL 444 UL 910
Oil/Fuel Resistance Test Method	IEC 60811-2-1 (IRM 902 & IRM 903) SAE J1127 UL1277 Oil Res II method at 125 °C UL1277 Oil Resistance I & II
Safety Standard	ANSI/ICEA S-100-685
Smoke Test Method	CMP/FT6

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
ROHS	Compliant
UK-ROHS	Compliant

