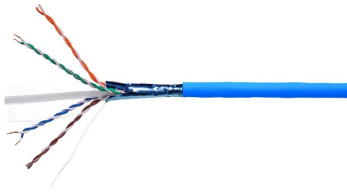# 884028508/10 | CS44Z1 BLU C6A 4/23 F/UTP RL 305M

CS44Z1 Category 6A, F/UTP Cable, low smoke zero halogen, blue jacket, 4 pair count, 1000 ft (305 m) length reel

Product Classification

Regional Availability	Asia	EMEA
Portfolio	NETCONNECT®
Product Type	Twisted pair cable

General Specifications

Product Number	CS44Z1
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	F/UTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Drain Wire Type	Solid
Jacket Color	Blue
Pairs, quantity	4
Separator Type	Isolator
Transmission Standards	ANSI/TIA-568.2-D	ISO/IEC 11801 Class EA

Dimensions

Cable Length	304.8 m	1000 ft
Diameter Over Insulated Conductor	1.14 mm	0.045 in
Diameter Over Jacket, nominal	7.188 mm	0.283 in
Conductor Gauge, singles	23 AWG
Drain Wire Gauge	26 AWG

Cross Section Drawing

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Jacket
Tape
Insulation
Isolator
Conductor
Shield
Rip Cord
Drain Wire
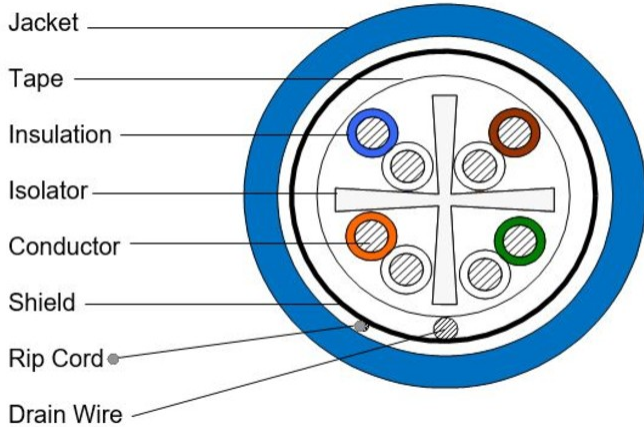
Electrical Specifications

Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±15 ohm
dc Resistance, maximum	7.8 ohms/100 m	2.377 ohms/100 ft
Delay Skew, maximum	45 ns
Dielectric Strength, minimum	1500 Vac	2500 Vdc
Mutual Capacitance at Frequency	5.6 nF/100 m @ 500 MHz
Nominal Velocity of Propagation (NVP)	69 %
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
Segregation Class	c

Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	Low Smoke Zero Halogen (LSZH)
Shield (Tape) Material	Aluminum/Polyester

Mechanical Specifications

Pulling Tension, maximum	11.34 kg	25 lb

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Environmental Specifications

Installation temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +75 °C (-4 °F to +167 °F)
Acid Gas Test Method	IEC 60754-2
EN50575 CPR Cable EuroClass Fire Performance	No Rating
Environmental Space	Low Smoke Zero Halogen (LSZH)
Temperature Rating, UL	75 °C	167 °F
Flame Test Method	IEC 60332-1
Smoke Test Method	IEC 61034-2

Packaging and Weights

Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

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