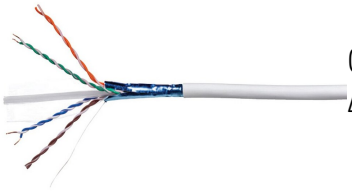
884019708/10 | CS44Z1 WHT C6A 4/23 F/UTP RL 305M (CALA)



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

Product Classification

Regional Availability	Latin America
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	White
Pairs, quantity	4
Separator Type	Isolator
Transmission Standards	ABNT/NBR 14703 | ANSI/TIA-568.2-D | Anatel | 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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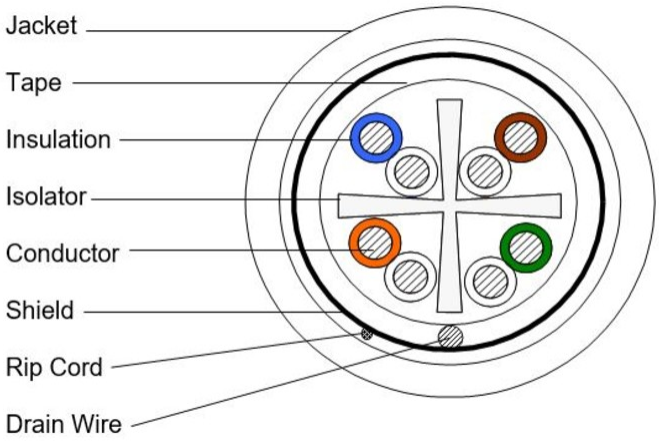

Electrical Specifications

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 +60 °C (-4 °F to +140 °F)
Acid Gas Test Method	IEC 60754-2
EN50575 CPR Cable EuroClass Fire Performance	No Rating
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	ABNT/NBR 14705 | 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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