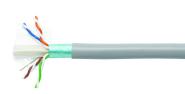
# 884029508/10 | CS44Z3 GRY C6A 4/23 F/UTP RL 305M ANATEL



CS44Z3 Category 6A, F/UTP Cable, low smoke zero halogen, gray jacket, 4 pair count, ANATEL, 1000ft (305 m) length reel

#### **Product Classification**

 Regional Availability
 Latin America

 Portfolio
 NETCONNECT®

 Product Type
 Twisted pair cable

### General Specifications

ANSI/TIA Category 6A

Cable Component Type Horizontal

Cable TypeF/UTP (shielded)

Conductor Type, singlesSolidConductors, quantity8Jacket ColorGray

Pairs, quantity 4

Transmission Standards ANSI/TIA-568.2-D | Anatel | CENELEC EN 50288-6-1 | ISO/IEC 11801 Class

EΑ

#### **Dimensions**

 Cable Length
 304.8 m | 1000 ft

 Diameter Over Jacket, nominal
 7.595 mm | 0.299 in

Conductor Gauge, singles 23 AWG

### **Electrical Specifications**

Characteristic Impedance100 ohmCharacteristic Impedance Tolerance±15 ohm

dc Resistance, maximum 9.38 ohms/100 m | 2.859 ohms/100 ft

**Delay Skew, maximum** 45 ns

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Dielectric Strength, minimum1500 Vac | 2500 VdcMutual Capacitance at Frequency5.6 nF/100 m @ 1 kHz

Nominal Velocity of Propagation (NVP) 69 %

**Operating Frequency, maximum** 500 MHz

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

#### Electrical Cable Performance

**CS** CommScope

STD Refers to the standard value listed under Transmission Standards in the Electrical Specifications above

**TYP** Typical Electrical Performance

IL Insertion Loss (dB/100m) NEXT Near End Crosstalk (dB/100m)

 ACR
 Attenuation to Crosstalk Ratio (dB/100m)
 PSNEXT
 Power Sum Near End Crosstalk (db/100m)

 PSACR
 Power Sum Attenuation to Crosstalk Ratio (dB/100m)
 ACRF
 Attenuation to Crosstalk Ratio - Far End (dB/100m)

PSACRF Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m) RL Return Loss (dB)

TCL Transverse Conversion Loss (dB/100m) ELTCTL Equal Level Transverse Conversion Transfer Loss (dB/100m)

Freq. MHz	IL	NEXT	PSNEXT	ACRF	PSACRF	RL
	STD	STD	STD	STD	STD	STD
1	2.1	74.3	72.3	67.8	64.8	20
4	3.8	65.3	63.3	55.8	52.8	23
8	5.3	60.8	58.8	49.7	46.7	24.5
10	5.9	59.3	57.3	47.8	44.8	25
16	7.5	56.2	54.2	43.7	40.7	25
20	8.4	54.8	52.8	41.8	38.8	25
25	9.4	53.3	51.3	39.8	36.8	24.3
31.25	10.5	51.9	49.9	37.9	34.9	23.6
62.5	15	47.4	45.4	31.9	28.9	21.5
100	19.1	44.3	42.3	27.8	24.8	20.1
200	27.6	39.8	37.8	21.8	18.8	18
250	31.1	38.3	36.3	19.8	16.8	17.3
300	34.3	37.1	35.1	18.3	15.3	16.8
400	40.1	35.3	33.3	15.8	12.8	15.9
500	45.3	33.8	31.8	13.8	10.8	15.2

### Material Specifications

Conductor MaterialBare copperInsulation MaterialPolyolefin

Jacket Material Low Smoke Zero Halogen (LSZH)



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Shield (Tape) Material Aluminum/Polyester

Mechanical Specifications

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

**Environmental Specifications** 

**Installation temperature** 0 °C to +60 °C (-32 °F to +140 °F)

**Operating Temperature**  $-20 \,^{\circ}\text{C} \text{ to } +75 \,^{\circ}\text{C} \, (-4 \,^{\circ}\text{F to } +167 \,^{\circ}\text{F})$ 

Acid Gas Test Method IEC 60754-2

Flame Test Method IEC 60332-3-22

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

