# 884035234/32 | CS44Z3 GRY C6A 4/23 F/FTP RL 1KM



CS44Z3 Category 6A F/FTP Cable, low smoke zero halogen, gray jacket, 4 pair count, 3280 ft (1000 m) length, reel

#### Product Classification

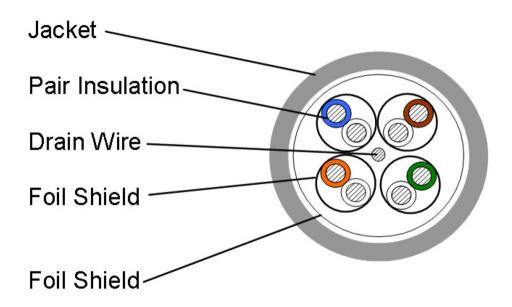
Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America	
Portfolio	NETCONNECT®	
Product Type	Twisted pair cable	
General Specifications		
Product Number	CS44Z3	
ANSI/TIA Category	6A	
Cable Component Type	Horizontal	
Cable Type	F/FTP (shielded)	
Conductor Type, singles	Solid	
Conductors, quantity	8	
Jacket Color	Gray	
Pairs, quantity	4	
Transmission Standards	ANSI/TIA-568.2-D   ISO/IEC 11801 Class EA	
Dimensions		
Cable Length	1,000 m   3,280.84 ft	
Cable Length Tolerance	±5%	
Diameter Over Insulated Conductor	1.168 mm   0.046 in	
Diameter Over Jacket, nominal	7.01 mm   0.276 in	
Jacket Thickness	0.61 mm   0.024 in	
Conductor Gauge, singles	23 AWG	

#### Cross Section Drawing

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### **Electrical Specifications**

Coupling Attenuation	Туре II
dc Resistance Unbalance, maximum	2 %
dc Resistance, maximum	7.61 ohms/100 m   2.32 ohms/100 ft
Mutual Capacitance at Frequency	4.2 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	80 %
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	d
Transfer Impedance	Grade 2

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#### Electrical Cable Performance

CS	CommScope		
STD	Refers to the standard value listed under Transmission Standards in th	ne Electrical Specificat	tions above
ТҮР	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)
IL ACR PSACR PSACRF	Insertion Loss (dB/100m) Attenuation to Crosstalk Ratio (dB/100m) Power Sum Attenuation to Crosstalk Ratio (dB/100m) Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)	PSNEXT ACRF RL	Power Sum Near End Crosstalk (db/100m) Attenuation to Crosstalk Ratio - Far End (dB/100m) Return Loss (dB)

Freq. IL MHz STD	IL	NEXT	KT ACR		PSACR STD	ACRF STD	PSACRF STD	RL STD	TCL STD	ELTCTL STD
	STD	STD	STD							
1	2.1	75.3	73.2	72.3	70.2	68	65	20	40	35
4	3.8	66.3	62.5	63.3	59.5	56	53	23	34	23
8	5.3	61.8	56.4	58.8	53.4	49.9	46.9	24.5	31	16.9
10	5.9	60.3	54.4	57.3	51.4	48	45	25	30	15
16	7.5	57.2	49.8	54.2	46.8	43.9	40.9	25	28	10.9
20	8.4	55.8	47.4	52.8	44.4	42	39	25	27	9
25	9.4	54.3	45	51.3	42	40	37	24.3	26	7
31.25	10.5	52.9	42.4	49.9	39.4	38.1	35.1	23.6	25.1	
62.5	15	48.4	33.4	45.4	30.4	32.1	29.1	21.5	22	
100	19.1	45.3	26.2	42.3	23.2	28	25	20.1	20	
155	24.1	42.4	18.4	39.4	15.4	24.2	21.2	18.8	18.1	
200	27.6	40.8	13.2	37.8	10.2	22	19	18	17	
250	31.1	39.3	8.3	36.3	5.3	20	17	17.3	16	
300	34.3	38.1	3.9	35.1	0.9	18.5	15.5	16.8		
350	37.2	37.1	-0.1	34.1	-3.1	17.1	14.1	16.3		
400	40.1	36.3	-3.8	33.3	-6.8	16	13	15.9		
500	45.3	34.8	-10.4	31.8	-13.4	14	11	15.2		

#### Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material Low Smoke Zero Halogen (I	
Shield (Tape) Material	Polyester/Aluminum shield
Mechanical Specifications	
Pulling Tension, maximum	11.34 kg   25 lb

#### **Environmental Specifications**

Installation temperature

0 °C to +50 °C (+32 °F to +122 °F)

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## 1KM

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	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s2
EN50575 CPR Cable EuroClass Droplets Rating	d2
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-3-24
Smoke Test Method	IEC 61034-2

### Packaging and Weights

Cable weight	48.499 kg/km   32.59 lb/kft
Packaging Type	Reel

#### Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
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



