

884060104/10 | CS44Z3 GRY C6A 4/23 U/FTP RL 305M

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

Product Classification

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

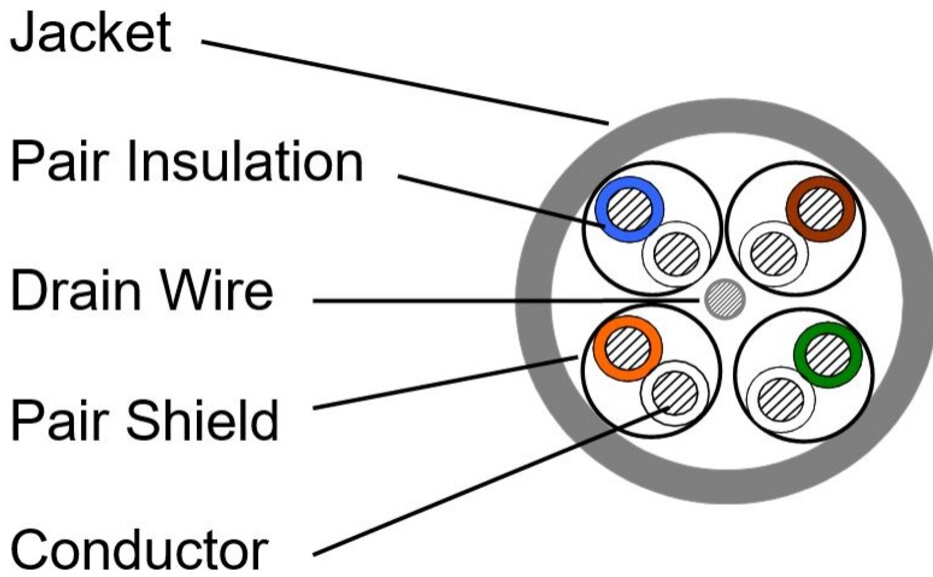
General Specifications

Product Number	CS44Z3
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	U/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	304.8 m 1000 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



Electrical Specifications

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

Electrical Cable Performance

CS	CommScope	NEXT	Near End Crosstalk (dB/100m)
STD	Refers to the standard value listed under Transmission Standards in the Electrical Specifications above	PSNEXT	Power Sum Near End Crosstalk (db/100m)
TYP	Typical Electrical Performance	ACRF	Attenuation to Crosstalk Ratio - Far End (dB/100m)
IL	Insertion Loss (dB/100m)	RL	Return Loss (dB)
ACR	Attenuation to Crosstalk Ratio (dB/100m)	ELTCTL	Equal Level Transverse Conversion Transfer Loss (dB/100m)
PSACR	Power Sum Attenuation to Crosstalk Ratio (dB/100m)		
PSACRF	Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)		
TCL	Transverse Conversion Loss (dB/100m)		

Freq. MHz	IL	NEXT	ACR	PSNEXT	PSACR	ACRF	PSACRF	RL	TCL	ELTCTL
	STD	STD	STD	STD	STD	STD	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 (LSZH)
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)

884060104/10 | CS44Z3 GRY C6A 4/23 U/FTP RL 305M

Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Acid Gas Test Method	IEC 60754-2
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-3-22
Smoke Test Method	IEC 61034-2

Packaging and Weights

Cable weight	48.41 kg/km 32.53 lb/kft
Packaging Type	Reel