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CS67ZC-IO Category 7A S/FTP Cable, low smoke zero halogen, indoor/outdoor with rodent protection layer, black jacket, 4 pair count, 1640 ft (500 m) length, reel

Product Classification

Regional Availability	EMEA
Portfolio	CommScope®
Product Type	Twisted pair cable

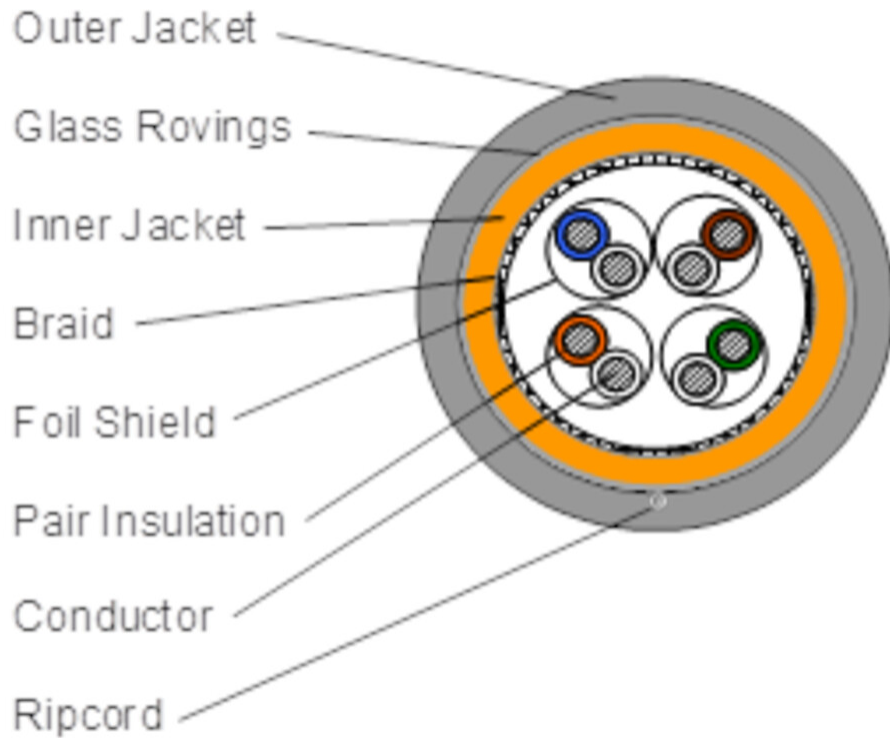
General Specifications

Product Number	CS67ZC
ANSI/TIA Category	7A
Cable Component Type	Horizontal
Cable Type	S/FTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Black
Pairs, quantity	4
Transmission Standards	GENELEC EN 50288-9-1 IEC 61156-5 Type I

Dimensions

Cable Length	1,000 m 3,280.84 ft
Cable Length Tolerance	±5%
Diameter Over Jacket, nominal	11.989 mm 0.472 in
Jacket Thickness	0.635 mm 0.025 in
Conductor Gauge, singles	22 AWG

Cross Section Drawing



Electrical Specifications

Characteristic Impedance	100 ohm
Coupling Attenuation	Type I
dc Resistance Unbalance, maximum	2 %
dc Resistance, maximum	6.51 ohms/100 m 1.984 ohms/100 ft
Mutual Capacitance at Frequency	4.3 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	76 %
Operating Frequency, maximum	1200 MHz
Operating Voltage, maximum	80 V
Safety Voltage Rating	240 V
Segregation Class	d

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	ACR	PSNEXT		PSACRF	RL	
	TYP	TYP	STD	TYP	STD	STD	TYP
4	3.5	90	82	90	79	23	35
10	5.4	88	82	90	71	25	40
16	6.8	86	82	90	67	25	40
20	7.6	85	82	90	65	25	40
31.25	9.6	83	82	90	61	25	40
62.5	14	79	82	90	55	25	40
100	18	76	82	90	51	23	40
125	20	73	82	90	49	22	38
200	25	68	82	90	45	21	35
250	27	66	82	90	43	20	35
300	30	63	82	90	41	20	30
600	43	45	75	85	35	20	27
800	49	37	75	83	32	19	25
1,000	57	29	75	83	31	18	25
1,200	63	22	75	82	29	17	22

Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	Low Smoke Zero Halogen (LSZH)
Inner Jacket Material	Low Smoke Zero Halogen (LSZH)
Shield (Braid) Material	Tinned copper
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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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	B2ca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d1
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Note	Cable is not suitable for direct burial applications Cable jacket must remain unabraded to avoid water ingress Water must not be allowed to ingress into the cable ends
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	EN 50399 IEC 60332-1-2
Smoke Test Method	IEC 61034-2
Packaging and Weights	
Cable weight	166.972 kg/km 112.2 lb/kft
Packaging Type	Reel