

# 884042338/32 | CS67ZC-10 BLK C7A 4/22 S/FTP RL 1KM

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CS67ZC-10 Category 7A S/FTP Cable, low smoke zero halogen, indoor/outdoor with rodent protection layer, black jacket, 4 pair count, 3280 ft (1 km) length, reel

## Product Classification

<b>Regional Availability</b>	EMEA
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Twisted pair cable

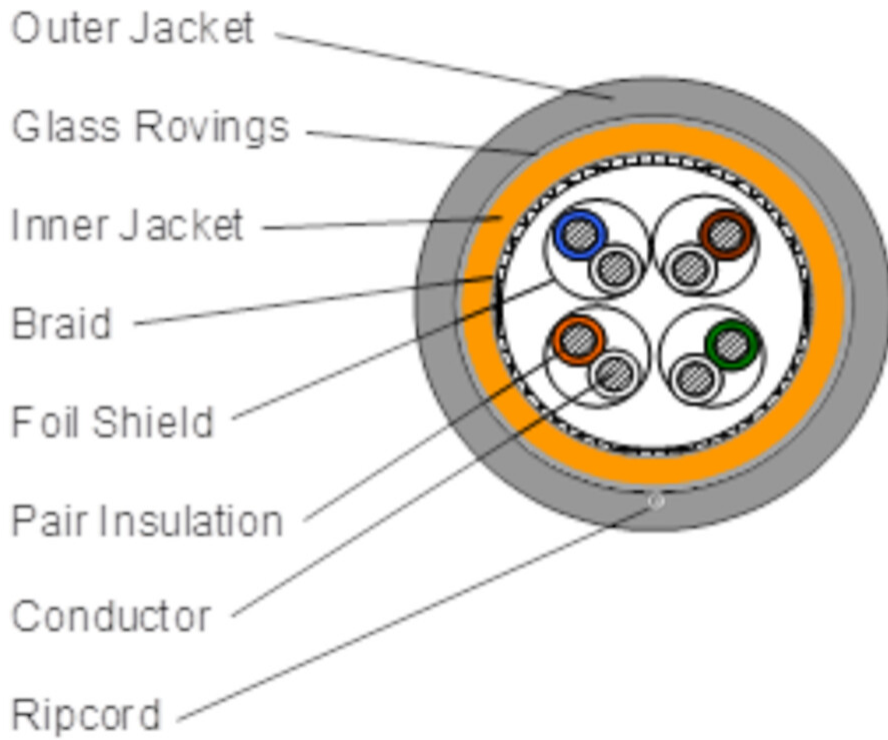
## General Specifications

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

## Dimensions

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

## Cross Section Drawing



## Electrical Specifications

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

## Electrical Cable Performance

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

<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	Polyolefin
<b>Jacket Material</b>	Low Smoke Zero Halogen (LSZH)
<b>Inner Jacket Material</b>	Low Smoke Zero Halogen (LSZH)
<b>Shield (Braid) Material</b>	Tinned copper
<b>Shield (Tape) Material</b>	Polyester/Aluminum shield

## Mechanical Specifications

<b>Pulling Tension, maximum</b>	11.34 kg   25 lb
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## Environmental Specifications

<b>Installation temperature</b>	0 °C to +50 °C (+32 °F to +122 °F)
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<b>Operating Temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)
<b>Acid Gas Test Method</b>	IEC 60754-2
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	Cca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1a
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d1
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<b>Environmental Note</b>	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
<b>Environmental Space</b>	Low Smoke Zero Halogen (LSZH)
<b>Flame Test Method</b>	EN 50399   IEC 60332-1-2
<b>Smoke Test Method</b>	IEC 61034-2

## Packaging and Weights

<b>Cable weight</b>	166.972 kg/km   112.2 lb/kft
<b>Packaging Type</b>	Reel

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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
ROHS	Compliant
UK-ROHS	Compliant

