

CS67ZC Category 7A S/FTP Cable, low smoke zero halogen, orange jacket, 4 pair count, 3280 ft (1000 m) length, reel

Product Classification

Regional Availability	EMEA
Portfolio	NETCONNECT®
Product Type	Twisted pair cable

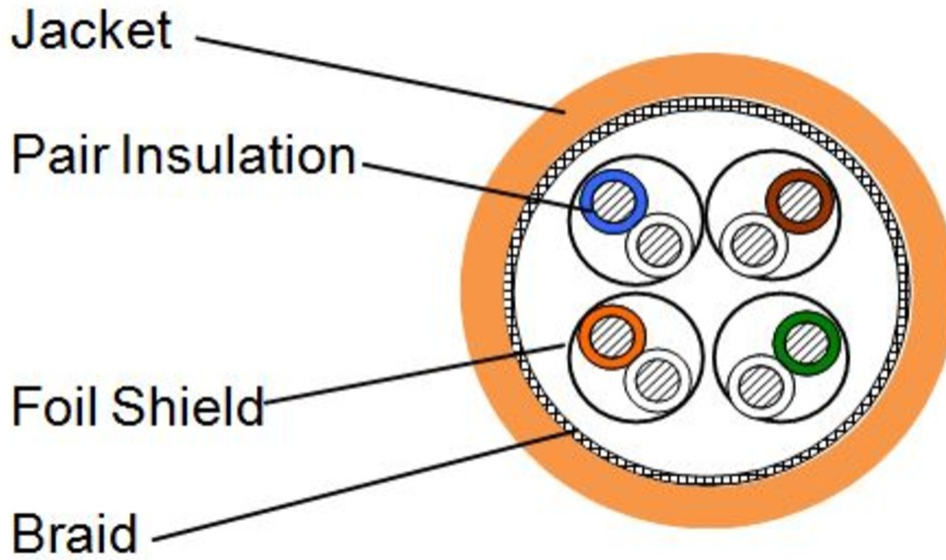
General Specifications

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	Orange
Pairs, quantity	4
Transmission Standards	GENELEC EN 50288-9-1 IEC 61156-7

Dimensions

Cable Length	1,000 m 3,280.84 ft
Cable Length Tolerance	±5%
Diameter Over Jacket, nominal	7.595 mm 0.299 in
Jacket Thickness	0.635 mm 0.025 in
Conductor Gauge, singles	22 AWG

Cross Section Drawing



Electrical Specifications

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	4.1 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	80 %
Operating Frequency, maximum	1200 MHz
Operating Voltage, maximum	80 V

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	78	75	78	75	20
4	3.7	78	75	78	75	23
8	5.2	78	75	77.2	74.2	24.5
10	5.8	78	75	75.3	72.3	25
16	7.3	78	75	71.2	68.2	25
20	8.2	78	75	69.3	66.3	25
25	9.2	78	75	67.3	64.3	24.3
31.25	10.3	78	75	65.4	62.4	23.6
62.5	14.6	78	75	59.4	56.4	21.5
100	18.5	75.4	72.4	55.3	52.3	20.1
155	23.2	72.5	69.5	51.5	48.5	18.8
200	26.5	70.9	67.9	49.3	46.3	18
250	29.7	69.4	66.4	47.3	44.3	17.3
300	32.7	68.2	65.2	45.8	42.8	17.3
350	35.4	67.2	64.2	44.4	41.4	17.3
400	38	66.4	63.4	43.3	40.3	17.3
500	42.8	64.9	61.9	41.3	38.3	17.3
550	45	64.3	61.3	40.5	37.5	17.3
600	47.1	63.7	60.7	39.7	36.7	17.3
650	49.2	63.2	60.2	39	36	17
700	51.1	62.7	59.7	38.4	35.4	16.6
750	53.1	62.3	59.3	37.8	34.8	16.3
800	54.9	61.9	58.9	37.2	34.2	16.1
850	56.7	61.5	58.5	36.7	33.7	15.8
900	58.5	61.1	58.1	36.2	33.2	15.5
950	60.2	60.7	57.7	35.7	32.7	15.3
1,000	61.9	60.4	57.4	35.3	32.3	15.1
1,100	65.2	59.8	56.8	34.5	31.5	14.7
1,200	68.4	59.2	56.2	33.7	30.7	14.3

Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin

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
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Environmental Specifications

Installation temperature	0 °C to +50 °C (+32 °F to +122 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Acid Gas Test Method	EN 50267-2-3
EN50575 CPR Cable EuroClass Fire Performance	Cca
EN50575 CPR Cable EuroClass Smoke Rating	s1
EN50575 CPR Cable EuroClass Droplets Rating	d1
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Smoke Test Method	IEC 61034-2

Packaging and Weights

Cable weight	65.301 kg/km 43.88 lb/kft
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

