1499101-3

CS67Z3 ORG C7A 4/22 S/FTP RL 1KM

Product Classification

Regional Availability	EMEA
Portfolio	NETCONNECT®
Product Type	Twisted pair cable

General Specifications

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	ANSI/TIA-568.2-D	IEC 61156-7	ISO/IEC 11801 Class FA

Dimensions

Cable Length	1,000 m	3,280.84 ft
Cable Length Tolerance	±5%
Diameter Over Insulated Conductor	1.501 mm	0.059 in
Diameter Over Jacket, nominal	7.798 mm	0.307 in
Jacket Thickness	0.635 mm	0.025 in
Conductor Gauge, singles	22 AWG

Cross Section Drawing

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Jacket

Pair Insulation

Foil Shield

Braid
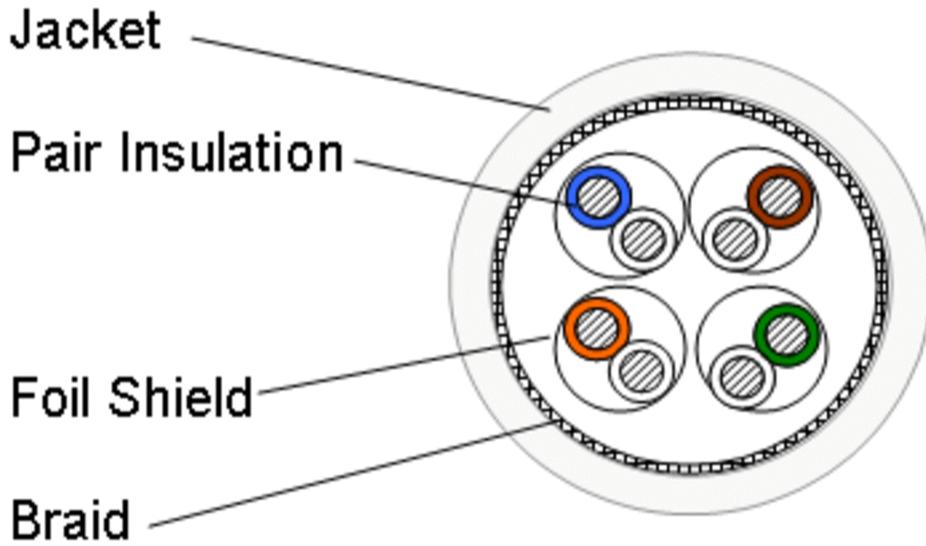
Electrical Specifications

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
Delay Skew, maximum	12 ns
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
Safety Voltage Rating	240 V

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Segregation Class   d

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	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   Foamed polyethylene (FPE)

Jacket Material   Low Smoke Fire Retardant Zero Halogen (LSFRZH)

Shield (Tape) Material   Aluminum/Polyester

Mechanical Specifications

Pulling Tension, maximum   11.34 kg | 25 lb

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)

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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	d1
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Fire Retardant Low Smoke Zero Halogen (FRLSZH)
Flame Test Method	EN 50399	IEC 60332-3
Smoke Test Method	IEC 61034-2

Packaging and Weights

Cable weight	62.994 kg/km	42.33 lb/kft
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

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