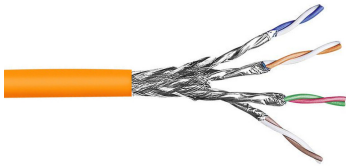


57893-7 | CS54Z3 ORG C7 4/23 S/FTP RL 1000M



Copper Cable, category 7, 4 pair simplex, S/FTP, LSFRZH, XG, 23 AWG solid, 1000 m, orange

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America
Portfolio	NETCONNECT®
Product Type	Twisted pair cable

General Specifications

ANSI/TIA Category	7
Cable Component Type	Horizontal
Cable Type	S/FTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Orange
Pairs, quantity	4
Transmission Standards	CENELEC EN 50288-4-1 IEC 61156-5 Cat 7 ISO/IEC 11801 Class F

Dimensions

Cable Length	1,000 m 3,280.84 ft
Diameter Over Insulated Conductor	1.501 mm 0.059 in
Diameter Over Jacket, nominal	7.29 mm 0.287 in
Conductor Gauge, singles	23 AWG

Electrical Specifications

Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±15 ohm
Coupling Attenuation	Type I
dc Resistance, maximum	7.61 ohms/100 m 2.32 ohms/100 ft
Delay Skew, maximum	7 ns
Nominal Velocity of Propagation (NVP)	80 %

Operating Frequency, maximum 600 MHz
Operating Voltage, maximum 80 V
Segregation Class d
Transfer Impedance Grade 1

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)
ACR Attenuation to Crosstalk Ratio (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)
NEXT Near End Crosstalk (dB/100m)
PSNEXT Power Sum Near End Crosstalk (db/100m)
ACRF Attenuation to Crosstalk Ratio - Far End (dB/100m)
RL Return Loss (dB)
ELTCTL Equal Level Transverse Conversion Transfer Loss (dB/100m)

Freq. MHz	IL	ACR	PSNEXT		PSACRF	RL	
	TYP	TYP	STD	TYP	STD	STD	TYP
1	2	94	75	93	75	20	26
4	3.6	92	75	93	75	23	30
10	5.9	90	75	93	75	25	33
16	7.4	88	75	93	73	25	33
20	8.3	87	75	93	71	25	33
31.25	10	86	75	93	67	25	33
62.5	14	82	72.5	93	61	25	33
100	18	78	69.4	93	57	23	33
200	26	67	64.9	90	51	21	29
250	28	64	63.4	89	49	20	28
300	33	57	62.2	87	47	20	27
450	39	39	59.6	85	44	19	26
600	46	34	57.7	77	36	18	25
750	52	28		75	34		24
900	55	17		72	32		23
1,000	57	15		70	30		20

Material Specifications

Conductor Material Bare copper
Insulation Material Polyolefin
Jacket Material Low Smoke Fire Retardant Zero Halogen (LSFRZH)
Shield (Tape) Material Aluminum/Polyester

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	IEC 60754-2
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s2
EN50575 CPR Cable EuroClass Droplets Rating	d2
EN50575 CPR Cable EuroClass Acidity Rating	a1
Flame Test Method	IEC 60332-3-22
Smoke Test Method	IEC 61034-2

Packaging and Weights

Packaging Type	Reel
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Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

