



Copper Cable, category 7, 4 pair simplex, S/FTP, LSFRZH, XG, 23 AWG solid, 305 m, white

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

White

Pairs, quantity

4

Transmission Standards

CENELEC EN 50288-4-1 | IEC 61156-5 Cat 7 | ISO/IEC 11801 Class F

Dimensions

Cable Length

304.8 m | 1000 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 Performance

CS CommScope value	IL Insertion Loss (dB/100m)	ACR Attenuation to Crosstalk Ratio (dB/100m)
Std Standard value (listed under the Transmission Standards in the Electrical Specifications above)	RL Return Loss (dB)	ACRF Attenuation to Crosstalk Ratio - Far End (dB/100m)
	NEXT Near End Crosstalk (dB/100m)	
Typ Typical value	PSNEXT Power Sum Near End Crosstalk (dB/100m)	PSACRF Power Sum Attenuation to Crosstalk Ratio (dB/100m)

FREQUENCY	IL TYP	IL CS	IL STD	NEXT TYP	NEXT CS	NEXT STD	ACR TYP	ACR CS	ACR STD	PSNEXT TYP	PSNEXT CS	PSNEXT STD	PSACR TYP	PSACR CS	PSACR STD	ACRF TYP	ACRF CS	ACRF STD	PSACRF TYP	PSACRF CS	PSACRF STD	RL TYP	RL CS	RL STD
1.00 MHz	2						94			93		75										75	26	20
4.00 MHz	3.6						92			93		75										75	30	23
10.00 MHz	5.9						90			93		75										75	33	25
16.00 MHz	7.4						88			93		75										73	33	25
20.00 MHz	8.3						87			93		75										71	33	25
31.25 MHz	10						86			93		75										67	33	25
62.50 MHz	14						82			93		72.5										61	33	25
100.00 MHz	18						78			93		69.4										57	33	23
200.00 MHz	26						67			90		64.9										51	29	21
250.00 MHz	28						64			89		63.4										49	28	20
300.00 MHz	33						57			87		62.2										47	27	20
450.00 MHz	39						39			85		59.6										44	26	19
600.00 MHz	46						34			77		57.7										36	25	18
750.00 MHz	52						28			75												34	24	
900.00 MHz	55						17			72												32	23	
1000.00 MHz	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

