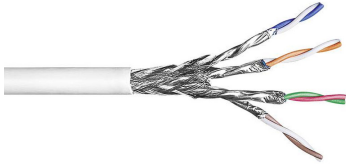


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Copper Cable, category 7A, 4 pair, duplex, S/FTP, LSFRZH, 22 AWG solid, 500 m, white

Product Classification

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

General Specifications

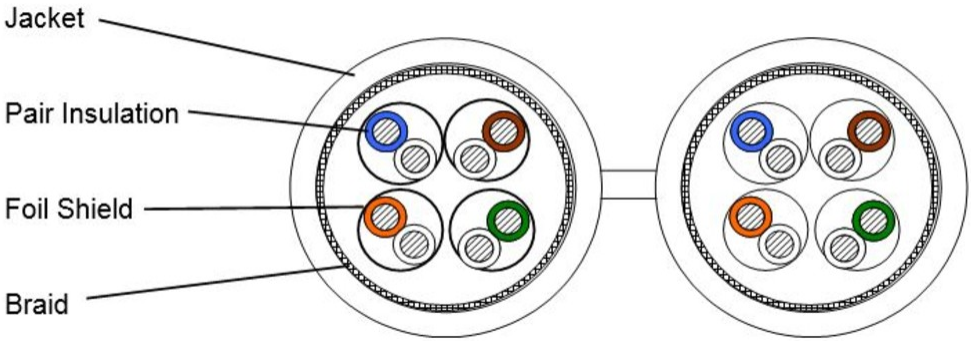
ANSI/TIA Category	7A
Cable Component Type	Horizontal
Cable Type	S/FTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	16
Jacket Color	White
Pairs, quantity	8
Transmission Standards	ANSI/TIA-568.2-D CENELEC EN 50288-6-1 ISO/IEC 11801 Class FA

Dimensions

Cable Length	500 m 1,640.42 ft
Diameter Over Jacket, nominal	16.51 mm 0.65 in
Conductor Gauge, singles	22 AWG

Cross Section Drawing

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Electrical Specifications

Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±5 ohm
Delay Skew, maximum	15 ns
Nominal Velocity of Propagation (NVP)	76 %
Operating Voltage, maximum	80 V
Safety Voltage Rating	240 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	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	Polyolefin
Jacket Material	Low Smoke Fire Retardant Zero Halogen (LSFRZH)
Shield (Tape) Material	Aluminum/Polyester

Mechanical Specifications

Pulling Tension, maximum	22.68 kg 50 lb
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Environmental Specifications

Installation temperature	0 °C to +50 °C (+32 °F to +122 °F)
Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Acid Gas Test Method	IEC 60754-2

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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

Packaging and Weights

Cable weight	146.004 kg/km 98.11 lb/kft
Packaging Type	Reel

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

