



Copper Cable, category 7, 4 pair simplex, S/FTP, LSFRZH, XG, 23 AWG solid, 500 m, white

## Product Classification

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

## Standards And Qualifications

<b>EN50575 CPR Cable EuroClass</b>	Dca   s2   d1   a1
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## Construction Materials

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

## Dimensions

<b>Cable Length</b>	500 m   1640 ft
<b>Diameter Over Jacket, nominal</b>	7.300 mm   0.287 in

## Electrical Performance

Freq (MHz)	Att	ACR	PSNEXT		PSELFEXT	RL	
	Typ.	Typ.	Min.	Typ.	Min.	Min.	Typ.
1	2.0	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
1000*	57	15	-	70	30		20

\* For engineering purposes only (data above 600 MHz)

## Electrical Specifications

ANSI/TIA Category	7
Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±15 ohm
dc Resistance, maximum	15.00 ohms/100 m
Delay Skew, maximum	7 ns
Nominal Velocity of Propagation (NVP)	80 %
Operating Voltage, maximum	80 V
Transmission Standards	CENELEC EN 50288-4-1   ISO/IEC 11801 Class F

## General Specifications

Cable Type	S/FTP (shielded)
Packaging Type	Reel
Pairs, quantity	4
Cable Component Type	Horizontal
Jacket Color	White
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8

## Regulatory Compliance/Certifications

**Agency**

RoHS 2011/65/EU  
CENELEC

**Classification**

Compliant  
EN 50575 compliant, Declaration of Performance (DoP) available

