



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

Product Classification

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

Standards And Qualifications

EN50575 CPR Cable EuroClass	Dca s2 d1 a1
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Construction Materials

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

Dimensions

Cable Length	1000 m 3281 ft
Diameter Over Jacket, nominal	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

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)

General Specifications

Cable Type	S/FTP (shielded)
Packaging Type	Reel
Pairs, quantity	4
Cable Component Type	Horizontal

Jacket Color	Orange
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available

