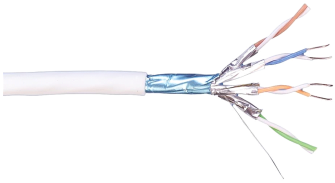


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Copper Cable, category 7, 4 pair simplex, FTP, LSZH, PiMF600, 23 AWG, 500 m, white



Product Classification

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

Body Features

Jacket Material	LSZH
Jacket Color	White
Cable Construction	1 x 4
Cable Weight	52.0 kg/km
Conductor Material	Copper
Insulation Material	PE
Shield Type	Individual foiled pairs/Overall foil

Configuration Features

Number of Pairs	4
Number of Conductors	8

Dimensions

Overall Outside Diameter	7.400 mm 0.291 in
Conductor Diameter	.546 – .61 mm
Length	500.00 m 1640.42 ft
Wire Diameter	6.050 mm 0.238 in
Wire Size (CMA)	.258 mm ² 23 AWG

Electrical Characteristics

Impedance	100 +/- 15 Ohms
Mutual Capacitance	43.0 nF
Nominal Velocity of Propagation (NVP)	78%

Electrical Specifications

ANSI/TIA Category	7
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General Specifications

Cable Type	F/FTP (shielded)
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Industry Standards

Flammability Rating	IEC 60332-1-2
Standards Compliance	EN 50173-1 EN 50288-4-1 EN 61000-3-2 IEC 60332-1 IEC 60754-1 IEC 60754-2 IEC 61034-2 ISO/IEC 11801 class C

Other

Comment	Bend radius after installation: 4 x cable diameter Bend radius during installation: 8 x cable diameter
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Outline Drawing

Freq. MHz	Att. Typ. dB	ACR Typ. dB	PSNEXT		PSELFEXT	RL	
			Min. dB	Typ. dB	Min. dB	Min. dB	Typ. dB
1	2,0	91,0	75,0	90	85	20,0	23
4	3,7	89,3	75,0	90	82	23,0	25
10	5,9	87,1	75,0	90	80	25,0	30
16	7,4	85,6	75,0	90	78	25,0	30
20	8,3	84,7	75,0	90	76	25,0	30
31,25	10,4	82,6	75,0	90	74	23,6	30
62,5	14,9	78,1	72,5	90	72	21,5	30
100	18,5	74,5	69,4	90	67	20,1	30
200	26,0	64,0	64,9	87	53	18,0	25
250	29,5	60,5	63,4	87	51	17,3	23
300	32,0	54,0	62,2	83	48	17,3	22
450	43,0	39,0	59,6	79	42	17,3	19
600	48,0	28,0	57,7	73	36	17,3	18
700*	51,2	21,3,0	-	71	34	-	16
800*	54,3	17,3	-	68	32	-	15
900*	56,5	12	-	67	30	-	13

*For information only

Packaging Features

Packaging Method	Reel
Packaging Quantity	500

Product Type Features

Cable Style	Simplex
Cable Type	Twisted Pair
Product Classification	Cable - ISO/IEC Category
Shielded	Yes
Wire/Cable Type	Twisted Pair

Usage Conditions

Installation Temperature Range	0 – 50 °C
Operating Temperature Range	-20 – 60 °C

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Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU

Classification

Compliant