



Product: [NN00101](#)

Category 3 Cable, 100 Pair, U/UTP, LSZH Outdoor



Product Description

Category 3 Premise Horizontal Cable (16MHz), 100-pair, 24 AWG, HDPE insulation, U/UTP, LSZH jacket

Technical Specifications

Product Overview

Suitable Applications:	Backbone cable; Support current and future Category 3 applications, suitable for outdoor use
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Construction Details

Conductor

Size	Stranding	Material	No. of Pairs
24 AWG	Solid	BC - Bare Copper	100

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene	0.88 mm (0.035 in)	White & Blue, White & Orange, White & Green, White & Brown, White & Grey, Red & Blue, Red & Orange, Red & Green, Red & Brown, Red & Grey, Black & Blue, Black & Orange, Black & Green, Black & Brown, Black & Grey, Yellow & Blue, Yellow & Orange, Yellow & Green, Yellow & Brown, Yellow & Grey, Violet & Blue, Violet & Orange, Violet & Green, Violet & Brown, Violet & Grey
		Blue, Orange, Green, Brown

Table Notes:	Telecom Color Order
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Cable Core

Description
4 units of 25 pairs covered with a polyester foil

Outer Jacket

Material	Nom. Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	22 mm (0.87 in)	Yes

Overall Cable Diameter (Nominal):	22 mm (0.87 in)
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Electrical Characteristics

Electricals

Max. Conductor DCR	Max. Mutual Capacitance	Max. Capacitance Unbalance	Nom. Characteristic Impedance
93.8 Ohm/km	66 pF/m (20 pF/ft)	330 pF/100m	100 Ohm

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. SRL (Structural Return Loss) [dB]
0.772	2.2 dB/100m	45	43	12
1	2.6 dB/100m	44	41	12
4	5.6 dB/100m	34	32	12
8	8.5 dB/100m	29	27	12
10	9.7 dB/100m	28	26	12
16	13.1 dB/100m	25	23	10

Voltage

Voltage Rating
72 V DC

Mechanical Characteristics

Temperature

Operating	Installation
-30°C to +60°C	0°C To +50°C

Bend Radius

Stationary Min.	Installation Min.
110 mm (4.3 in)	330 mm

Standards and Compliance

Environmental Suitability:	Outdoor
CPR Compliance:	CPR Euroclass: Eca
Data Category:	Category 3
ISO/IEC Compliance:	ISO/IEC 11801-1
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

Product Notes

Notes:	Electrical values are expected performance based on cable testing and representative performance within a typical Belden system.
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History

Update and Revision:	Revision Number: 0.236 Revision Date: 09-04-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
NN00101.00500	Gray	Reel	500 m	8719605103574
NN00101.001000	Gray	Reel	1,000 m	8719605103567

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