



Product: [NN00097](#)

Category 3 Cable, 25 Pair, U/UTP, LSZH Outdoor



### Product Description

Category 3 Premise Horizontal Cable (16MHz), 25-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	25

##### 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

Table Notes:	Telecom Color Order
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##### Cable Core

Description
2+8+15 pairs twisted in concentric layers and covered with a polyester foil

##### Outer Jacket

Material	Nom. Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	12.2 mm (0.480 in)	Yes

Overall Cable Diameter (Nominal):	12.2 mm (0.480 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
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72 V DC

## Mechanical Characteristics

### Temperature

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

### Bend Radius

Stationary Min.	Installation Min.
61 mm (2.4 in)	183 mm

## Standards and Compliance

Environmental Suitability:	Outdoor
Data Category:	Category 3
ISO/IEC Compliance:	ISO/IEC 11801-1
European Directive Compliance:	EU CE 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: 0.239 Revision Date: 09-04-2024
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	EAN
NN00097.00305	Gray	Reel	305 m	8719605103482
NN00097.001000	Gray	Reel	1,000 m	8719605103475

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