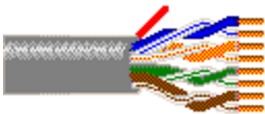




Product: [7987P](#)



NanoSkew™ 4-24 AWG pairs, CMP

Product Description

NanoSkew™ 24 AWG twisted pairs solid bare copper conductors, FEP insulation, rip cord, Flamarrest® jacket.

Technical Specifications

Product Overview

Suitable Applications:	UTP Based Video Applications, Not for data transmission requiring TIA/EIA Category qualifications, RGB
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
24	Solid	BC - Bare Copper	4

Conductor Count:	8
Total Number of Pairs:	4

Insulation

Material
FEP - Fluorinated Ethylene Propylene

Bonded-Pair:	N/A
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Color Chart

Number	Color
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Outer Shield

Material
No Shield

Outer Jacket

Material	Material Trade Name	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	Flamarrest®	0.201 in	Yes

Electrical Characteristics

Conductor DCR

Max. Conductor DCR
90 Ohm/km

Impedance

Nominal Characteristic Impedance
100 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]	Typical Delay Skew
70%	0.007 ns/100m

High Frequency

Frequency [MHz]	Max./Min. Input Impedance (unFitted)	Max./Min. Fitted Impedance
1 MHz	100 ± 15	100 ± 15
4 MHz	100 ± 15	100 ± 15
8 MHz	100 ± 15	100 ± 15
10 MHz	100 ± 15	100 ± 15
16 MHz	100 ± 15	100 ± 15
20 MHz	100 ± 15	100 ± 15
25 MHz	100 ± 15	100 ± 15
31.25 MHz	100 ± 15	100 ± 15
62.5 MHz	100 ± 15	100 ± 15
100 MHz	100 ± 15	100 ± 15

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temperature Range:	-20°C To +75°C
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Mechanical Characteristics

Bulk Cable Weight:	21 lbs/1000ft
Max. Pull Tension:	40 lbs
Min. Bend Radius/Minor Axis:	0.2 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Related Part Numbers

Non-Plenum Number:	7987R
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Variants

Item #	Color	Put-Up Type	Length	UPC
7987P 1NDU1000	Maroon 1ND	UnReel	1,000 ft	612825192503
7987P 1NDU1640	Maroon 1ND	UnReel	1,640 ft	612825192510

Product Notes

Notes:	Jacket sequentially marked at 2 ft. intervals.
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History

Update and Revision:	Revision Number: 0.380 Revision Date: 04-29-2024
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