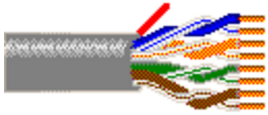


**Part Number: 7987P**



**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

Environmental Space:	Indoor - Plenum
Suitable Applications:	UTP Based Video Applications, Not for data transmission requiring TIA/EIA Category qualifications, RGB

### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	8
Total Number of Pairs:	4
Conductor Size:	24 AWG

#### Insulation

Material
FEP - Fluorinated Ethylene Propylene

#### 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

Material
Unshielded

#### Outer Jacket Material

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

### Electrical Characteristics

#### Conductor DCR

Max. Conductor DCR
9 Ohm/100m

Shielding:	Unshielded
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#### Impedance

Nominal Characteristic Impedance
100 Ohm

#### Delay

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

#### High Freq

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 Temp Range:	-20°C To +75°C
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#### Mechanical Characteristics

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

#### Standards

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

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
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#### Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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#### Part Number

Non-Plenum Number:	7987R
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#### Variants

Item #	Color
7987P 1NDU1000	Maroon 1ND

7987P 1NDU1000	Maroon 1ND
7987P 1NDU1640	Maroon 1ND
7987P 1NDU1640	Maroon 1ND

Patent:	<a href="http://www.belden.com/p">http://www.belden.com/p</a>
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