



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.

Product Specifications

Technical Specifications

Suitable Applications:	UTP Based Video Applications, Not for data transmission requiring TIA/EIA Category qualifications, RGB
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Construction and Dimensions

Conductor:

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

Total Number of Conductors:	8
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Insulation:

Material
FEP - Fluorinated Ethylene Propylene

Color Chart 1:

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

Outershield 1:

Material
Unshielded

Outerjacket 1:

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/1000ft

Impedance:

Nominal Characteristic Impedance
100 Ohm

Delay:

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

High Freq:

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

Voltage:

UL Voltage Rating
300V RMS

Use

Max Recommended Pulling Tension:	40 lbs
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Safety

CSA Flammability:	FT6
UL Flammability:	NFPA 262

Temperature Range

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

Min Bend Radius/Minor Axis:	0.2 in
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Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	7987R

Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMP
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMP
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

History

Notes:	Jacket sequentially marked at 2 ft. intervals.
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Product Variants

Part Number	Color	Put-Up Type	Length
7987P 1NDU1000	MAROON 1ND	UnReel	1000 ft
7987P 1NDU1640	MAROON 1ND	UnReel	1640 ft

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