



**Product:** [7987R](#)



NanoSkew™ 4-24 AWG pairs, CMR

## Product Description

NanoSkew™ 24 AWG twisted pairs solid bare copper conductors, non-plenum, polyolefin insulation, skew 2.2ns/100m nominal, rip cord, PVC jacket.

## Technical Specifications

### Product Overview

Suitable Applications:	Zero Skew, Low Skew, RJ45, 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

<b>Material</b>	
PO - Polyolefin	
Bonded-Pair:	N/A

#### 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

<b>Material</b>
No Shield

#### Outer Jacket

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.195 in	Yes

### Electrical Characteristics

#### Conductor DCR

<b>Max. Conductor DCR</b>
90 Ohm/km

#### Impedance

<b>Nominal Characteristic Impedance</b>
100 Ohm

#### Delay

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

## 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:	18 lbs/1000ft
Max. Pull Tension:	40 lbs
Min. Bend Radius/Minor Axis:	0.2 in

## Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
CPR Euroclass:	Eca

## Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
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:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
MII Order #39 (China RoHS):	Yes

## Suitability

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

UL Flammability:	UL1666 Riser
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	7987P

## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	Length	UPC
7987R 059U1000	Maroon	UnReel	1,000 ft	612825192527
7987R 059U1640	Maroon	UnReel	1,640 ft	612825192534

## History

Update and Revision:	Revision Number: 0.447 Revision Date: 04-29-2024
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