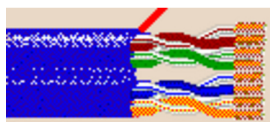


**Product:** [7989P](#) 



Low Skew, Category 6, 4-24 AWG pairs, CMP

## Product Description

Category 6, 23 AWG bonded pairs solid bare copper conductors, plenum, FEP Teflon® insulation, skew 10.0ns/100m nominal, rip cord, Flamarrest® jacket.

## Technical Specifications

### Product Overview

Suitable Applications:	Category 6, UTP Based Video Applications, and KVM
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### Construction Details

#### Conductor

Size	Stranding	Material	No. of Pairs
23	Solid	BC - Bare Copper	4

#### Insulation

Material	Color Code
FEP - Fluorinated Ethylene Propylene	White/Blue Stripe & Blue, White/Orange Stripe & Orange, White/Green Stripe & Green, White/Brown Stripe & Brown

#### Outer Shield

Material
No Shield

#### Outer Jacket

Material	Material Trade Name	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	Flamarrest®	0.367 in	Yes

### Electrical Characteristics

#### Electricals

Max. Conductor DCR	Max. Capacitance Unbalance
90 Ohm/km (27 Ohm/1000ft)	49.2

#### Delay

Nom. Velocity of Prop.	Typical Delay Skew
72%	0.03 ns/100m

#### High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation) [dB/100m]	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. PSACR [dB]	Min. ACRF (ELFEXT) [dB]	Min. PSACRF (PSELFEXT) [dB]	Min. RL (Return Loss) [dB]	Max./Min. Input Impedance (unFitted)
1	2	74.3	72.3	70.3	67.8	64.8	20	100 ± 15
4	3.8	65.3	63.3	59.5	55.7	52.7	23	100 ± 15
8	5.3	60.8	58.8	53.4	49.7	46.7	24.5	100 ± 15
10	6	59.3	57.3	51.3	47.8	44.8	25	100 ± 15
16	7.6	56.3	54.3	46.7	43.7	40.7	25	100 ± 15
20	8.5	54.8	52.8	44.3	41.7	38.7	25	100 ± 15
25	9.5	53.4	51.4	41.8	39.8	36.8	24.3	100 ± 15
31.25	10.7	51.9	49.9	39.2	37.9	34.9	23.6	100 ± 15
62.5	15.4	47.4	45.4	30	31.8	28.8	21.5	100 ± 15

100	19.8	44.3	42.3	22.5	27.8	24.8	20.1	100 ± 15
155	25.2	41.5	39.5	14.3	23.9	20.9	18.8	100 ± 22
200	29	39.8	37.8	8.8	21.8	18.7	18	100 ± 22
250	32.8	38.3	36.3	3.5	19.8	16.8	17.3	100 ± 32

#### Voltage

<b>UL Voltage Rating</b>
300 V RMS

### Mechanical Characteristics

#### Temperature

<b>Operating</b>
-20°C To +75°C

#### Bend Radius

<b>Stationary Min.</b>
3.5 in (89 mm)

Max. Pull Tension:	45 lbs (20 kg)
Bulk Cable Weight:	33 lbs/1000ft (49 kg/km)

### Standards and Compliance

Environmental Suitability:	Indoor - Plenum
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	7989R

### Product Notes

Notes:	Electricals are preliminary, final data is pending.
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### History

Update and Revision:	Revision Number: 0.337 Revision Date: 02-20-2026
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### Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
7989P 0131000	Blue, Dark	Reel	1,000 ft	612825192565	C

Footnote:	C - CRATE REEL PUT-UP.
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