

Product: [7988P](#) 



Low Skew, Category 5e, 4-24 AWG pairs, CMP

Product Description

Category 5e, 24 AWG bonded pairs solid bare copper conductors, plenum, FEP Teflon® insulation, skew 9.0ns/100m nominal, rip cord, Flamarrest® jacket.

Technical Specifications

Product Overview

Suitable Applications:	Category 5e, UTP Based Video Applications, and KVM
------------------------	--

Construction Details

Conductor

Size	Stranding	Material	No. of Pairs
24	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®	0.193 in	Yes

Electrical Characteristics

Electricals

Max. Conductor DCR	Max. Capacitance Unbalance
90 Ohm/km (27 Ohm/1000ft)	66

Delay

Nom. Velocity of Prop.	Typical Delay Skew
72%	0.027 ns/100m

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation) [dB/100m]	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. ACR [dB]	Min. PSACR [dB]	Min. ACRF (ELFEXT) [dB]	Min. PSACRF (PSELFEXT) [dB]	Min. RL (Return Loss) [dB]	Max./Min. Input Impedance (unFitted)	Max./Min. Fitted Impedance
1	2	65.3	65.3	60.3	60.3	63.8	60.8	20	100 ± 15	100 ± 15
4	4.1	56.3	53.3	49.2	49.2	51.7	48.7	23	100 ± 15	100 ± 15
8	5.8	51.8	48.8	43	43	45.7	42.7	24.5	100 ± 15	100 ± 15
10	6.5	50.3	47.3	40.8	40.8	43.8	40.8	25	100 ± 15	100 ± 15
16	8.2	47.3	44.3	36	36	39.7	36.7	25	100 ± 15	100 ± 15
20	9.3	45.8	42.8	33.5	33.5	37.7	34.7	25	100 ± 15	100 ± 15
25	10.4	44.3	41.3	30.9	30.9	35.8	32.8	24.3	100 ± 15	100 ± 15
31.25	11.7	42.9	39.9	28.2	28.2	33.9	30.9	23.6	100 ± 15	100 ± 15

62.5	17	38.4	35.4	18.4	18.4	27.8	24.8	21.5	100 ± 15	100 ± 15
100	22	35.3	32.3	10.3	10.3	23.8	20.8	20.1	100 ± 15	100 ± 15
155	28.1	32.5	29.54	2	2	19.9	16.9	15.8	100 ± 25	100 ± 15
200	32.4	30.8	27.8	1	1	17.7	14.7	15	100 ± 25	100 ± 15

Voltage

UL Voltage Rating

300 V RMS

Mechanical Characteristics

Temperature

Operating

-20°C To +75°C

Bend Radius

Stationary Min.

2 in (51 mm)

Max. Pull Tension:	40 lbs (18 kg)
Bulk Cable Weight:	21 lbs/1000ft (31 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	CMP
CEC / C(UL) Compliance:	CMP
TIA/EIA Compliance:	ANSI/TIA/EIA-568-B.2 Category 5e
ISO/IEC Compliance:	ISO 11801 Category 5
European Directive Compliance:	EU CE Mark, 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:	7988R

Product Notes

Notes:	Jacket sequentially marked at 2 ft. intervals. Electricals are preliminary, final data is pending.
--------	--

History

Update and Revision:	Revision Number: 0.373 Revision Date: 09-07-2025
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
7988P N3UU1000	Green, Mil	UnReel	1,000 ft	612825192541

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.