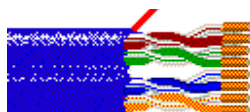


## 7989P Multi-Conductor - 4-Pair UTP Cable for RGB Video



For more Information  
please call

1-800-Belden1

**Description:**

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

**Usage (Overall)**

Suitable Applications:

Category 6, UTP Based Video Applications, and KVM

**Physical Characteristics (Overall)****Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	23	Solid	BC - Bare Copper

**Insulation**

Insulation Material:

Insulation Material
FEP - Fluorinated Ethylene Propylene

**Outer Shield**

Outer Shield Material:

Outer Shield Material
Unshielded

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Outer Jacket Ripcord:

Yes

**Overall Cable**

Overall Nominal Diameter:

0.367 x 0.167 in.

**Pair**

Pair Color Code Chart:

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

**Mechanical Characteristics (Overall)**

Operating Temperature Range:

-20°C To +75°C

Bulk Cable Weight:

33 lbs/1000 ft.

Max. Recommended Pulling Tension:

45 lbs.

Min. Bend Radius (Install)/Minor Axis:

0.100 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

## 7989P Multi-Conductor - 4-Pair UTP Cable for RGB Video

NEC/(UL) Specification:	CMP
-------------------------	-----

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

EU CE Mark:	No
-------------	----

EU Directive 2000/53/EC (ELV):	Yes
--------------------------------	-----

EU Directive 2002/95/EC (RoHS):	Yes
---------------------------------	-----

EU RoHS Compliance Date (mm/dd/yyyy):	07/01/2006
---------------------------------------	------------

EU Directive 2002/96/EC (WEEE):	Yes
---------------------------------	-----

EU Directive 2003/11/EC (BFR):	Yes
--------------------------------	-----

CA Prop 65 (CJ for Wire & Cable):	Yes
-----------------------------------	-----

MII Order #39 (China RoHS):	Yes
-----------------------------	-----

**Flame Test**

UL Flame Test:	NFPA 262
----------------	----------

CSA Flame Test:	FT6
-----------------	-----

**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
---------------	-----

Non-Plenum Number:	7989R
--------------------	-------

**Electrical Characteristics (Overall)****Nom. Mutual Capacitance:**

Capacitance (pF/ft)
---------------------

15.0
------

Maximum Capacitance Unbalance (pF/100 m):	49.2
---	------

**Nominal Velocity of Propagation:**

VP (%)
--------

72
----

**Typical Delay Skew:**

Delay Skew (ns/ft)
--------------------

0.030
-------

**Maximum Conductor DC Resistance:**

DCR @ 20°C (Ohm/100 m)
------------------------

9
---

**Max. Operating Voltage - UL:**

Voltage
---------

300 V RMS
-----------

**Maximum DCR Unbalanced:**

DCR Unbalance @ 20°C (%)
--------------------------

3
---

**Electrical Characteristics-Premise (Overall)****Premise Cable Electrical Table 1:**

Freq. (MHz)	Max. Attenuation (dB/100 m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. PSACR (dB)	Min RL (dB)
1	2.0	74.3	72.3	70.3	20.0
4	3.8	65.3	63.3	59.5	23.0
8	5.3	60.8	58.8	53.4	24.5
10	6.0	59.3	57.3	51.3	25.0
16	7.6	56.3	54.3	46.7	25.0
20	8.5	54.8	52.8	44.3	25.0
25	9.5	53.4	51.4	41.8	24.3
31.25	10.7	51.9	49.9	39.2	23.6
62.5	15.4	47.4	45.4	30.0	21.5
100	19.8	44.3	42.3	22.5	20.1

## 7989P Multi-Conductor - 4-Pair UTP Cable for RGB Video

155	25.2	41.5	39.5	14.3	18.8
200	29.0	39.8	37.8	8.8	18.0
250	32.8	38.3	36.3	3.5	17.3

Premise Cable Electrical Table 2:

Freq. (MHz)	Input (Unfitted) Imp. (Ohms)	Min. ELFEXT (dB)	Min. PSELFEXT (dB)
1	100 ± 15	67.8	64.8
4	100 ± 15	55.7	52.7
8	100 ± 15	49.7	46.7
10	100 ± 15	47.8	44.8
16	100 ± 15	43.7	40.7
20	100 ± 15	41.7	38.7
25	100 ± 15	39.8	36.8
31.25	100 ± 15	37.9	34.9
62.5	100 ± 15	31.8	28.8
100	100 ± 15	27.8	24.8
155	100 ± 22	23.9	20.9
200	100 ± 22	21.8	18.7
250	100 ± 32	19.8	16.8

## Notes (Overall)

**Notes:** US Patent #'s 5, 606, 151; 5, 734, 126. Electricals are preliminary, final data is pending.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7989P 0131000	1,000 FT	36.000 LB	BLUE, DARK	C	4 PR #23 FEP FLRST

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 3    Revision Date: 09-30-2009

© 2012 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.