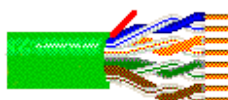


## 7988P Multi-Conductor - 4-Pair UTP Cable for RGB Video

For more Information  
please call

1-800-Belden1



### Description:

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

### Usage (Overall)

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

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Pairs	AWG	Stranding	Conductor Material
4	24	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:** 0.193 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:** 21 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 40 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 0.200 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

## 7988P Multi-Conductor - 4-Pair UTP Cable for RGB Video

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
Other Standards:	ISO11801 Category 5
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
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
Telecommunications Standards:	ANSI/TIA/EIA-568-B.2 Category 5e
Other Specification:	NEMA WC-63.1 Category 5e, UL Verified to Category 5e

### Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	7988R

### Electrical Characteristics (Overall)

Maximum Capacitance Unbalance (pF/100 m):	66
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#### Nominal Velocity of Propagation:

VP (%)
72

#### Maximum Delay:

Delay (ns/100 m)
0.027

#### Typical Delay Skew:

Delay Skew (ns/ft)
9

#### 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. ACR (dB)	Min. PSACR (dB)	Min RL (dB)
1	2.0	65.3	65.3	60.3	60.3	20.0
4	4.1	56.3	53.3	49.2	49.2	23.0
8	5.8	51.8	48.8	43.0	43.0	24.5
10	6.5	50.3	47.3	40.8	40.8	25.0
16	8.2	47.3	44.3	36.0	36.0	25.0
20	9.3	45.8	42.8	33.5	33.5	25.0
25	10.4	44.3	41.3	30.9	30.9	24.3

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31.25	11.7	42.9	39.9	28.2	28.2	23.6
62.5	17.0	38.4	35.4	18.4	18.4	21.5
100	22.0	35.3	32.3	10.3	10.3	20.1
155	28.1	32.5	29.54	2.0	2.0	15.8
200	32.4	30.8	27.8	1.0	1.0	15.0

**Premise Cable Electrical Table 2:**

Freq. (MHz)	Input (Unfitted) Imp. (Ohms)	Fitted Impedance	Min. ELFEXT (dB)	Min. PSELFEXT (dB)
1	100 ± 15	100 ± 15	63.8	60.8
4	100 ± 15	100 ± 15	51.7	48.7
8	100 ± 15	100 ± 15	45.7	42.7
10	100 ± 15	100 ± 15	43.8	40.8
16	100 ± 15	100 ± 15	39.7	36.7
20	100 ± 15	100 ± 15	37.7	34.7
25	100 ± 15	100 ± 15	35.8	32.8
31.25	100 ± 15	100 ± 15	33.9	30.9
62.5	100 ± 15	100 ± 15	27.8	24.8
100	100 ± 15	100 ± 15	23.8	20.8
155	100 ± 25	100 ± 15	19.9	16.9
200	100 ± 25	100 ± 15	17.7	14.7

### Notes (Overall)

**Notes:** Jacket sequentially marked at 2 ft. intervals. 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
7988P N3UU1000	1,000 FT	22.000 LB	GREEN, MIL		4 PR #24 FEP PVC

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