

## 7987P Multi-Conductor - 4-Pair UTP Cable for RGB Video



For more Information  
please call

1-800-Belden1

**General Description:**

NanoSkew™ 24 AWG twisted pairs solid bare copper conductors, FEP insulation, rip cord, Flamarrest® jacket.

**Usage (Overall)**

Suitable Applications:

UTP Based Video Applications, Not for data transmission requiring TIA/EIA Category qualifications, RGB

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

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 4       | 24  | Solid     | BC - Bare Copper   |

Total Number of Conductors:

8

**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:

0.201 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/Minor Axis:

0.200 in.

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

NEC/(UL) Specification:

CMP

CEC/C(UL) Specification:

CMP

EU Directive 2011/65/EU (RoHS II):

Yes

EU CE Mark:

Yes

EU Directive 2000/53/EC (ELV):

Yes

EU Directive 2002/95/EC (RoHS):

Yes

## 7987P Multi-Conductor - 4-Pair UTP Cable for RGB Video

|                                   |     |
|-----------------------------------|-----|
| EU Directive 2002/96/EC (WEEE):   | Yes |
| EU Directive 2003/11/EC (BFR):    | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MIL 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: | 7987R |

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

|                 |
|-----------------|
| Impedance (Ohm) |
| 100             |

## Nominal Velocity of Propagation:

|        |
|--------|
| VP (%) |
| 70     |

## Typical Delay Skew:

|                    |
|--------------------|
| Delay Skew (ns/ft) |
| 0.007              |

## Maximum Conductor DC Resistance:

|                        |
|------------------------|
| DCR @ 20°C (Ohm/100 m) |
| 9                      |

## Max. Operating Voltage - UL:

|           |
|-----------|
| Voltage   |
| 300 V RMS |

## Electrical Characteristics-Premise (Overall)

## Premise Cable Electrical Table 2:

| Freq. (MHz) | Input (Unfitted) Imp. (Ohms) | Fitted Impedance |
|-------------|------------------------------|------------------|
| 1           | 100 ± 15                     | 100 ± 15         |
| 4           | 100 ± 15                     | 100 ± 15         |
| 8           | 100 ± 15                     | 100 ± 15         |
| 10          | 100 ± 15                     | 100 ± 15         |
| 16          | 100 ± 15                     | 100 ± 15         |
| 20          | 100 ± 15                     | 100 ± 15         |
| 25          | 100 ± 15                     | 100 ± 15         |
| 31.25       | 100 ± 15                     | 100 ± 15         |
| 62.5        | 100 ± 15                     | 100 ± 15         |
| 100         | 100 ± 15                     | 100 ± 15         |

## Notes (Overall)

**Notes:** Jacket sequentially marked at 2 ft. intervals.

## Put Ups and Colors:

| Item #         | Putup    | Ship Weight | Color      | Notes | Item Desc          |
|----------------|----------|-------------|------------|-------|--------------------|
| 7987P 1NDU1000 | 1,000 FT | 22.000 LB   | MAROON 1ND |       | 4 PR #24 FEP FLRST |
| 7987P 1NDU1640 | 1,640 FT | 36.080 LB   | MAROON 1ND |       | 4 PR #24 FEP FLRST |

Revision Number: 3    Revision Date: 08-01-2013

© 2014 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. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

## 7987P Multi-Conductor - 4-Pair UTP Cable for RGB Video