

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

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

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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:	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

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Mouser Electronics

Authorized Distributor

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