Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



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



For more Information please call

1-800-Belden1



General Description:

CEC/C(UL) Specification:

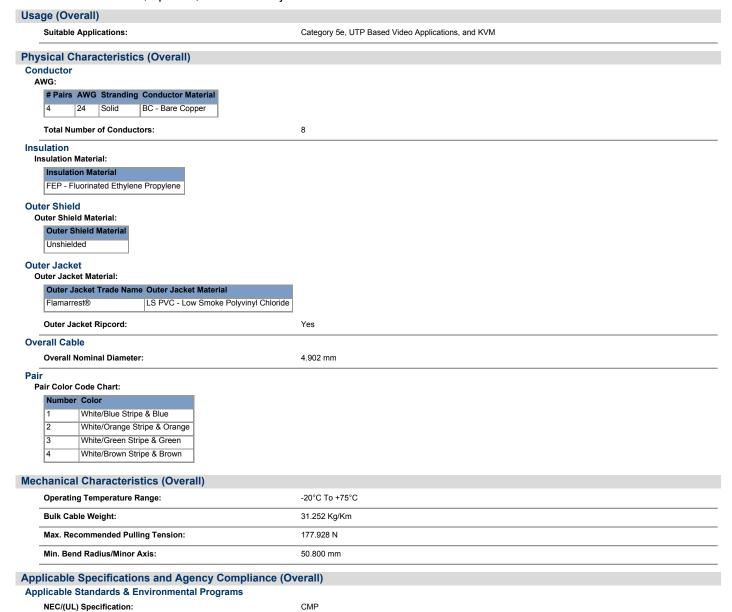
EU CE Mark:

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

EU Directive 2000/53/EC (ELV):

EU Directive 2002/95/EC (RoHS):

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



CMP

Yes

Yes

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 Yes		
MII Order #39 (China RoHS):			
Other Specification:	NEMA WC-63.1 Category 5e, UL Verified to Category 5e		
Applicable Patents:			
Country			
www.belden.com/p			
www.bcidch.com/p			
ame Test			
UL Flame Test:	NFPA 262		
CSA Flame Test:	FT6		
lenum/Non-Plenum			
Plenum (Y/N):	Yes		

Electrical Characteristics (Overall)

Maximum Capacitance Unbalance (pF/100 m):

66

7988R

Nominal Velocity of Propagation:

Non-Plenum Number:

VP (%) 72

Typical Delay Skew:

Delay Skew (ns/m) 0.089

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)

Max. Operating Voltage - UL:

Voltage 300 V RMS

Maximum DCR Unbalanced:

DCR Unbalance @ 20°C (%)

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
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

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200	100 ± 25	100 ± 15	17.7	14.7

Notes (Overall)

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

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

Revision Date: 03-11-2014 Revision Number: 3

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