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1-800-Belden1



General Description:

Nurse Call & Paging Cable, Plenum-CMP, 3-24 AWG solid bare copper pairs with FEP insulation, Flamarrrest jacket with ripcord

Usage (Overall)

Suitable Applications: Nurse Call, Commercial Sound, Annunicators, Voice Systems, Paging

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
3	24	Solid	BC - Bare Copper

Total Number of Conductors: 6

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
Flamarrrest®	LS PVC - Low Smoke Polyvinyl Chloride

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 4.191 mm

Pair

Pair Color Code Chart:

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

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

Bulk Cable Weight: 23.439 Kg/Km

Max. Recommended Pulling Tension: 133.446 N

Min. Bend Radius/Minor Axis: 44.450 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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:	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
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Plenum/Non-Plenum

Non-Plenum Number:	5662UG
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Electrical Characteristics (Overall)

Nom. Mutual Capacitance:

Capacitance (pF/m)
49.215

Maximum Capacitance Unbalance (pF/100 m):	330
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Nominal Velocity of Propagation:

VP (%)
72

Maximum Delay:

Freq. (MHz)	Delay (ns/100 m)
100.000	538.000

Max. Delay Skew:

Delay Skew (ns/100 m)
45

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)
9.38

Max. Operating Voltage - UL:

Voltage
300 V RMS

Maximum DCR Unbalanced:

DCR Unbalance @ 20°C (%)
5.000

Electrical Characteristics-Premise (Overall)

Premise Cable Electrical Table 1:

Freq. (MHz)	Max. Attenuation (dB/100 m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min RL (dB)	Min. SRL (dB)
1	2.000	65.3	62.3	20.000	23.0
4	4.100	56.3	53.3	23.000	23.0
8	5.800	51.8	48.8	24.500	23.0
10	6.500	50.3	47.3	25.000	23.0

16	8.200	47.3	44.3	25.000	23.0
20	9.300	45.8	42.8	25.000	23.0
25	10.400	44.3	41.3	24.300	22.0
31.25	11.700	42.9	39.9	23.600	21.1
62.5	17.000	38.4	35.4	21.500	20.9
100	22.000	35.3	32.3	20.100	16.0

Premise Cable Electrical Table 2:

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

Notes (Overall)

Notes: Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6662UG F6H1000	1,000 FT	18.000 LB	GRAY, DARK PEARL	C	3 PR #24 FEP FLRST

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 03-13-2013

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