

## 6662UG Multi-Conductor - Commercial Sound



For more Information  
please call

1-800-Belden1



### Description:

24 AWG solid bare copper conductors, FEP insulation, Flammarrest® jacket, rip cord.

### 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

#### 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
Flammarrest®	LS PVC - Low Smoke Polyvinyl Chloride

**Outer Jacket Ripcord:** Yes

#### Overall Cable

**Overall Nominal Diameter:** 0.165 in.

#### 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:** 15.750 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 30 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 1.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

**CEC/C(UL) Specification:** CMP

**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/ft)
15

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. Thrid party verified to TIA/EIA-568-B.2, Category 5e.

## Related Documents:

No related documents are available for this product

## 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.

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