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please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Riser-CMR, 8-22 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket with ripcord

### Usage (Overall)

**Suitable Applications:** Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls, and Single Line Telephone.

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Conductors	AWG	Stranding	Conductor Material
8	22	7x30	BC - Bare Copper

**Total Number of Conductors:** 8

#### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.203

#### Outer Shield

**Outer Shield Material:**

Outer Shield Material
Unshielded

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

**Outer Jacket Ripcord:** Yes

#### Overall Cable

**Overall Cabling Lay Length & Direction:**

Length (mm)	Twists (twist/m)
69.850	14.3183

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	White
4	Green
5	Brown
6	Blue
7	Orange
8	Yellow

**Overall Nominal Diameter:** 4.648 mm

### Mechanical Characteristics (Overall)

## 5506UE Multi-Conductor - Commercial Applications

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	37.205 Kg/Km
Max. Recommended Pulling Tension:	323.829 N
Min. Bend Radius/Minor Axis:	44.450 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
NEC Articles:	800
CEC/C(UL) Specification:	CMG
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
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

#### Flame Test

UL Flame Test:	UL1666 Vertical Shaft
C(UL) Flame Test:	FT4

#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6506UE

### Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN-M 5506UE CMR 75C 8C22 (UL) E108998 OR C(UL) CMG (2 FT., 7 DIGIT SEQUENTIAL) FEET
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### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

55.777

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

53.1522

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

2 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5506UE 008U1000	1,000 FT	29.000 LB	GRAY		8 #22 PP FRPVC

## METRIC MEASUREMENT VERSION

### 5506UE Multi-Conductor - Commercial Applications

5506UE 008Z1000	1,000 FT	29.000 LB	GRAY		8 #22 PP FRPVC
5506UE 0081000	1,000 FT	30.000 LB	GRAY	C	8 #22 PP FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

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