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please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Riser-CMR, 7-20 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
7	20	7x28	BC - Bare Copper

**Total Number of Conductors:** 7

#### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.178

#### Outer Shield

**Outer Shield Material:**

Outer Shield Material
Unshielded

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.457

**Outer Jacket Ripcord:** Yes

#### Overall Cable

**Overall Cabling Color Code Chart:**

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

**Overall Nominal Diameter:** 4.724 mm

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 52.236 Kg/Km

## 5405UE Multi-Conductor - Commercial Applications

Max. Recommended Pulling Tension: 392.331 N

Min. Bend Radius/Minor Axis: 50.800 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: 6405UE

### Surface Printing (Overall)

Surface Printing: NEW GENERATION(R) BY BELDEN-M 5405UE CMR 75C 7C20 (UL) E108998 OR C(UL) CMR (2 FT., 7 DIGIT SEQUENTIAL) FEET

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

68.901

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

33.4662

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

2.6 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5405UE 008Z1000	1,000 FT	37.000 LB	GRAY		7 #20 PP FRPVC
5405UE 0081000	1,000 FT	35.000 LB	GRAY		7 #20 PP FRPVC

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