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please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Riser-CMR, 5-22 AWG stranded bare copper conductors with PVC 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
5	22	7x30	BC - Bare Copper

**Total Number of Conductors:** 5

#### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

#### Outer Shield

**Outer Shield Material:**

Outer Shield Material
Unshielded

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.381

**Outer Jacket Ripcord:** Yes

#### Overall Cable

**Overall Cabling Lay Length & Direction:**

Length (mm)	Twists (twist/m)
63.49975	15.7488

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	White
4	Green
5	Brown

**Overall Nominal Diameter:** 4.115 mm

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 75°C

## 5503UE Multi-Conductor - Commercial Applications

<b>Bulk Cable Weight:</b>	26.936 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	202.393 N
<b>Min. Bend Radius/Minor Axis:</b>	38.100 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMR
<b>NEC Articles:</b>	800
<b>CEC/C(UL) Specification:</b>	CMG
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

<b>UL Flame Test:</b>	UL1666 Vertical Shaft
<b>C(UL) Flame Test:</b>	FT4

#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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### Surface Printing (Overall)

<b>Surface Printing:</b>	NEW GENERATION(R) BY BELDEN-M 5503UE CMR 75C 5C22 (UL) E108998 OR C(UL) CMG (2 FT., 7 DIGIT SEQUENTIAL) FEET
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### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/m)</b>
82.025

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
53.1522

#### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

#### Max. Recommended Current:

<b>Current</b>
2.2 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5503UE 008U1000	1,000 FT	20.000 LB	GRAY		5 #22 PVC FRPVC
5503UE 008Z1000	1,000 FT	20.000 LB	GRAY		5 #22 PVC FRPVC
5503UE 0081000	1,000 FT	20.000 LB	GRAY	C	5 #22 PVC FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

## 5503UE Multi-Conductor - Commercial Applications

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