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please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Riser-CMR, 4-22 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
4	22	7x30	BC - Bare Copper

**Total Number of Conductors:** 4

#### 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	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

**Outer Jacket Ripcord:** Yes

#### Overall Cable

**Overall Cabling Lay Length & Direction:**

Length (mm)	Twists (twist/m)
101.5996	9.843

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	White
4	Green

**Overall Nominal Diameter:** 3.581 mm

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 19.347 Kg/Km

## 5502UE Multi-Conductor - Commercial Applications

Max. Recommended Pulling Tension:	161.914 N
Min. Bend Radius/Minor Axis:	34.925 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 Number:	6502UE
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### Surface Printing (Overall)

#### 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

2.2 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5502UE 008C500	152 MT	2.948 KG	GRAY		4 #22 PP FRPVC
5502UE 008U1000	305 MT	6.804 KG	GRAY		4 #22 PP FRPVC
5502UE 008U500	152 MT	3.629 KG	GRAY		4 #22 PP FRPVC
5502UE 0081000	305 MT	6.804 KG	GRAY	C	4 #22 PP FRPVC
5502UE 009U1000	305 MT	6.804 KG	WHITE		4 #22 PP FRPVC
5502UE 0091000	305 MT	6.804 KG	WHITE	C	4 #22 PP FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

## 5502UE Multi-Conductor - Commercial Applications

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