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please call

1-800-Belden1



**General Description:**

Security & Alarm Cable, Riser-CMR, 5-20 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

**Physical Characteristics (Overall)**

**Conductor**

AWG:

# Conductors	AWG	Stranding	Conductor Material
5	20	7x28	BC - Bare Copper

Total Number of Conductors: 5

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.007

**Outer Shield**

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	Solid	TC - Tinned Copper

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.017

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Cabling Lay Length & Direction:

Length (in.)
2.500

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green
Brown

Overall Nominal Diameter: 0.172 in.

**Mechanical Characteristics (Overall)**

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 26 lbs/1000 ft.

Max. Recommended Pulling Tension: 72.100 lbs.

Min. Bend Radius/Minor Axis: 1.750 in.

**Applicable Specifications and Agency Compliance (Overall)**

**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMR

NEC Articles: 800

## 5403FE Multi-Conductor - Commercial Applications

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
CSA Flame Test:	FT4

### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6403FE

## Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
26.000

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)  
46.750

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
10.2

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
10.9

#### Max. Operating Voltage - UL:

Voltage  
300 V RMS

#### Max. Recommended Current:

Current  
3 Amps per conductor @ 25°C (10°C rise in temp)

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5403FE 008U1000	1,000 FT	27.000 LB	GRAY		5 #20 PP FS FRPVC
5403FE 0081000	1,000 FT	28.000 LB	GRAY	C	5 #20 PP FS FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

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