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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 (mm)
PP - Polypropylene	0.178

#### 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 (mm)
PVC - Polyvinyl Chloride	0.432

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)
63.500

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green
Brown

Overall Nominal Diameter: 4.369 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 38.693 Kg/Km

Max. Recommended Pulling Tension: 320.715 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

## METRIC MEASUREMENT VERSION

## 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/m)  
85.306

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

Capacitance (pF/m)  
153.387

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
33.4662

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)  
35.7629

#### 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	305 MT	12.247 KG	GRAY		5 #20 PP FS FRPVC
5403FE 0081000	305 MT	12.701 KG	GRAY	C	5 #20 PP FS FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

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