

## 5403FE Multi-Conductor - Commercial Applications



For more Information  
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

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Max. Recommended Pulling Tension:	320.715 N
Min. Bend Radius/Minor Axis:	44.450 mm

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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
CSA Flame Test:	FT4

## Plenum/Non-Plenum

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

## Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN-M 5403FE CMR 75C 5C20 SHIELDED (UL) E108998 OR C(UL) CMG (2 FT., 7 DIGIT SEQUENTIAL) FEET
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## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
85.306

## Nom. Capacitance Cond. to Other Conductor &amp; 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:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
5403FE 008U1000	1,000 FT	27.000 LB	GRAY		5 #20 PP FS FRPVC
5403FE 008Z1000	1,000 FT	30.000 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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