

METRIC MEASUREMENT VERSION

## 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

## 5403FE Multi-Conductor - Commercial Applications

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
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
-------------------	---

### 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:

## 5403FE Multi-Conductor - Commercial Applications

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.

Revision Number: 3    Revision Date: 07-29-2013

© 2019 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).