Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



5402FE Multi-Conductor - Commercial Applications



For more Information please call

1-800-Belden1



General Description:

Security & Alarm Cable, Riser-CMR, 4-20 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

4

Physical Characteristics (Overall)

Conductor

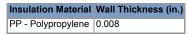
AWG:

# Conductors	AWG	Stranding	Conductor Material
4	20	7x28	BC - Bare Copper

Total Number of Conductors:

Insulation

Insulation Material:



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 Color Code Chart:

Color Black Red White Green

Overall Nominal Diameter: 0.163 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	22 lbs/1000 ft.
Max. Recommended Pulling Tension:	59.500 lbs.
Min. Bend Radius/Minor Axis:	1.750 in.

Page 1 of 3 10-30-2013

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



5402FE Multi-Conductor - Commercial Applications

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

No

6402FE

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 24.750

Plenum (Y/N):

Plenum Number:

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 44.500

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 10.2

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 11.3

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
5402FE 008U1000	1,000 FT	23.000 LB	GRAY		4 #20 PP FS FRPVC
5402FE 008U500	500 FT	12.000 LB	GRAY		4 #20 PP FS FRPVC
5402FE 0081000	1,000 FT	23.000 LB	GRAY	С	4 #20 PP FS FRPVC

Page 2 of 3 10-30-2013

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



5402FE Multi-Conductor - Commercial Applications

5402FE 008500 500 FT 11.500 LB GRAY 4 #20 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-05-2013

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