



For more Information
please call

1-800-Belden1



General Description:

Security & Alarm Cable, Riser-CMR, 3-20 AWG stranded bare copper pairs with polypropylene insulation, Beldfoil® shield and PVC jacket with ripcord

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
3	20	7x28	BC - Bare Copper

Total Number of Conductors: 6

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
Polypropylene	0.178

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Outer Shield Material
Beldfoil®	Aluminum Foil-Polyester Tape

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

Overall Cable

Overall Nominal Diameter: 5.893 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 40.033 Kg/Km

Max. Recommended Pulling Tension: 376.763 N

Min. Bend Radius/Minor Axis: 60.960 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

5442FE 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:	6442FE

Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN-M 5442FE CMR 75C 3PR20 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 & Shield:

Capacitance (pF/m)
153.551

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
33.7943

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
34.4505

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.6 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5442FE 008U1000	1,000 FT	35.000 LB	GRAY		3 PR #20 PP FS FRPVC
5442FE 0081000	1,000 FT	35.000 LB	GRAY	C	3 PR #20 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 07-29-2013

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