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1-800-Belden1



### General Description:

Security & Alarm Cable, Riser-CMR, 9-20 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
9	20	7x28	BC - Bare Copper

Total Number of Conductors: 9

#### 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	0.457

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)
95.250

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green
Brown
Blue
Orange
Yellow
Purple

Overall Nominal Diameter: 5.588 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 63.993 Kg/Km

Max. Recommended Pulling Tension: 544.905 N

Min. Bend Radius/Minor Axis: 57.150 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:	6407FE

## Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN-M 5407FE CMR 75C 9C20 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)  
153.387

### Max. Delay Skew:

Delay Skew (ns/m)  
3.34662

### 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 (10°C rise in temp)

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5407FE 0081000	1,000 FT	45.000 LB	GRAY	C	9 #20 PP FS FRPVC

Notes:  
C = CRATE REEL PUT-UP.

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## **5407FE Multi-Conductor - Commercial Applications**

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