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1-800-Belden1



## General Description:

Security & Alarm Cable, Riser-CMR, 4-22 AWG stranded bare copper pairs with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

## Physical Characteristics (Overall)

### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	22	7x30	BC - Bare Copper

Total Number of Conductors: 8

### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
PP - Polypropylene	0.007	0.043

### 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 (in.)
PVC - Polyvinyl Chloride	0.017

### Overall Cable

Overall Nominal Diameter: 0.220 in.

### Pair

Pair Color Code Chart:

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

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 28 lbs/1000 ft.

Max. Recommended Pulling Tension: 78.300 lbs.

Min. Bend Radius/Minor Axis: 2.250 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

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

## 5543FE Multi-Conductor - Commercial Applications

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:	6543FE

### Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN-M 5543FE CMR 75C 4PR22 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/ft)  
24.000

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)  
43.250

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
16.3

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
13.9

#### Max. Operating Voltage - UL:

Voltage  
300 V RMS

#### Max. Recommended Current:

Current  
2 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5543FE 0081000	1,000 FT	30.000 LB	GRAY	C	4 PR #22 PO FS FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

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