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please call

1-800-Belden1



## General Description:

Security & Alarm Cable, Riser-CMR, 6-20 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
6	20	7x28	BC - Bare Copper

Total Number of Conductors: 12

### 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	0.508

### Overall Cable

Overall Nominal Diameter: 7.442 mm

### Pair

#### Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 99.263 Kg/Km

Max. Recommended Pulling Tension: 713.046 N

Min. Bend Radius/Minor Axis: 76.200 mm

## 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
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:	6445FE

## Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN-M 5445FE CMR 75C 6PR20 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)
31.1695

### 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
5445FE 0081000	1,000 FT	61.000 LB	GRAY		6 PR #20 PP FS FRPVC

## 5445FE Multi-Conductor - Commercial Applications

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