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please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Riser-CMR, 8-22 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
8	22	7x30	BC - Bare Copper

Total Number of Conductors: 8

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.203

#### 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)
76.200

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green
Brown
Blue
Orange
Yellow

Overall Nominal Diameter: 4.750 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 38.693 Kg/Km

Max. Recommended Pulling Tension: 348.294 N

Min. Bend Radius/Minor Axis: 47.625 mm

### Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

## METRIC MEASUREMENT VERSION

## 5506FE Multi-Conductor - Commercial Applications

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

### Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN 5506FE CMR 75C 8C22 SHIELDED (UL) E108998 OR C(UL) CMG ---- FT4 (SEQUENTIAL NUMBERING) FEET
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### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
73.823

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

Capacitance (pF/m)
132.881

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
53.8084

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
52.168

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

#### Max. Recommended Current:

Description	Current
Per conductor @ 25C ambient based on 10C temperature rise	2 Amps

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5506FE 0051000	1,000 FT	29.000 LB	GREEN, DARK		8 #22 PP FS FRPVC
5506FE 008U1000	1,000 FT	29.000 LB	GRAY		8 #22 PP FS FRPVC
5506FE 008U500	500 FT	15.000 LB	GRAY		8 #22 PP FS FRPVC
5506FE 0081000	1,000 FT	32.000 LB	GRAY	C	8 #22 PP FS FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

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## **5506FE Multi-Conductor - Commercial Applications**

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).