# **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION



# 5506FE Multi-Conductor - Commercial Applications



For more Information 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:

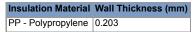
# Conductors	AWG	Stranding	<b>Conductor Material</b>
8	22	7x30	BC - Bare Copper

Total Number of Conductors:

8

### Insulation

**Insulation Material:** 



#### **Outer Shield**

**Outer Shield Material:** 

Outer Shield Trade Name Typ		Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

### **Outer Shield Drain Wire AWG:**

AWG Stranding		<b>Drain Wire Conductor Material</b>		
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:** 



**Overall Cabling Color Code Chart:** 

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

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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**

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
ame Test	

## Fla

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		

## **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:**

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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 008Z1000	1,000 FT	32.000 LB	GRAY		8 #22 PP FS FRPVC
5506FE 0081000	1,000 FT	32.000 LB	GRAY	С	8 #22 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-08-2013

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