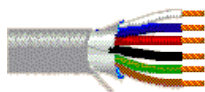


## 5306FE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**General Description:**

Security & Alarm Cable, Riser-CMR, 8-18 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	18	7x26	BC - Bare Copper

Total Number of Conductors: 8

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.008

**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 (in.)
PVC - Polyvinyl Chloride	0.018

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Cabling Lay Length & Direction:

Length (in.)	Direction	Twists (twist/ft)
3.750	Left Hand	3.200

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	White
4	Green
5	Brown
6	Blue
7	Orange
8	Yellow

Overall Nominal Diameter: 0.245 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	56 lbs/1000 ft.
Max. Recommended Pulling Tension:	193.200 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.

**Applicable Specifications and Agency Compliance (Overall)**

Applicable Standards & Environmental Programs

## 5306FE Multi-Conductor - Commercial Applications

NEC/(UL) Specification:	CMR
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NEC Articles:	800
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CEC/C(UL) Specification:	CMG
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EU Directive 2011/65/EU (ROHS II):	Yes
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MIL Order #39 (China RoHS):	Yes
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**Flame Test**

UL Flame Test:	UL1666 Vertical Shaft
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CSA Flame Test:	FT4
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**Suitability**

Suitability - Indoor:	Yes
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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Plenum Number:	6306FE
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**Surface Printing (Overall)****Electrical Characteristics (Overall)****Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)
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27.000
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**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)
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48.500
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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6.5
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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15.250
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**Max. Operating Voltage - UL:**

Voltage
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300 V RMS
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**Max. Recommended Current:**

Description	Current
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10C Temperature Rise	3.5 Amps per conductor @ 25°C
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**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5306FE 0081000	1,000 FT	60.000 LB	GRAY	C	8 #18 PP FS FRPVC
5306FE 008500	500 FT	30.000 LB	GRAY	C	8 #18 PP FS FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 3    Revision Date: 08-20-2013

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