# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



# 5343FE Multi-Conductor - Commercial Applications



For more Information please call

1-800-Belden1



### **General Description:**

Security & Alarm Cable, Riser-CMR, 4-18 AWG stranded bare copper pairs with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

# **Physical Characteristics (Overall)**

### Conductor

AWG:

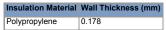
# Pairs	AWG	Stranding	Conductor Material
4	18	7x26	BC - Bare Copper

Total Number of Conductors:

8

#### Insulation

Insulation Material:



#### **Outer Shield**

Outer Shield Material:

Outer Shield Trade Na	me 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	0.457

# Overall Cable

**Overall Nominal Diameter:** 

7.518 mm

#### 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:	95.245 Kg/Km
Max. Recommended Pulling Tension:	859.392 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

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Yes
Yes
Yes
Yes
UL1666 Vertical Shaft
FT4
No
6343FE
NEW GENERATION(R) BY BELDEN-M 5343FE CMR 75C 4PR18 SHIELDED (UL) E108998 OR C(UL) CMG (2 FT., 7 DIGIT SEQUENTIAL) FEET

#### **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 95.149

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 171.924

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 21.4905

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current 3.5 Amps per conductor @ 25°C

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5343FE 0081000	1,000 FT	68.000 LB	GRAY	С	4 PR #18 PP FS FRPVC

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 08-06-2013

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