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1-800-Belden1



General Description:

Security & Alarm Cable, Riser-CMR, 3-18 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
3	18	7x26	BC - Bare Copper

Total Number of Conductors:

6

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	0.432

Overall Cable

Overall Nominal Diameter:

6.782 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 74.410 Kg/Km

Max. Recommended Pulling Tension: 660.113 N

Min. Bend Radius/Minor Axis: 68.580 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

METRIC MEASUREMENT VERSION

5342FE Multi-Conductor - Commercial Applications

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: 6342FE

Surface Printing (Overall)

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)

45.278

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
5342FE 0081000	1,000 FT	48.000 LB	GRAY	C	3 PR #18 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

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