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1-800-Belden1



General Description:

Security & Alarm Cable, Riser-CMR, 7-20 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
7	20	7x28	BC - Bare Copper

Total Number of Conductors: 7

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.007

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.)
3.000

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green
Brown
Blue
Orange

Overall Nominal Diameter: 0.189 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	34 lbs/1000 ft.
Max. Recommended Pulling Tension:	97.300 lbs.
Min. Bend Radius/Minor Axis:	1.875 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC(UL) Specification: CMR

5405FE Multi-Conductor - Commercial Applications

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

Plenum/Non-Plenum

Plenum (Y/N):	No
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Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
26.000

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
46.750

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.2

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.5

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.6 Amps per conductor @ 25°C (10°C rise in temp)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5405FE 008U1000	1,000 FT	36.000 LB	GRAY		7 #20 PP FS FRPVC
5405FE 0081000	1,000 FT	37.000 LB	GRAY	C	7 #20 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

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