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please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Riser-CMR, 2-22 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
2	22	7x30	BC - Bare Copper

Total Number of Conductors: 4

#### Insulation

Insulation Material:

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

#### 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 (in.)
PVC - Polyvinyl Chloride	0.017

#### Overall Cable

Overall Nominal Diameter: 0.189 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	17 lbs/1000 ft.
Max. Recommended Pulling Tension:	41.900 lbs.
Min. Bend Radius/Minor Axis:	1.900 in.

### 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
EU Directive 2002/96/EC (WEEE):	Yes

## 5541FE Multi-Conductor - Commercial Applications

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire &amp; Cable): Yes

MIL 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: 6541FE

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

24.000

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/ft)

43.250

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.3

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

13.9

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

2.2 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5541FE 008U1000	1,000 FT	18.000 LB	GRAY		2 PR #22 PO FS FRPVC
5541FE 0081000	1,000 FT	20.000 LB	GRAY	C	2 PR #22 PO FS FRPVC

## Notes:

C = CRATE REEL PUT-UP.

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

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