

## 5502FE Multi-Conductor - Commercial Applications

For more Information  
please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Riser-CMR, 4-22 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
4	22	7x30	BC - Bare Copper

Total Number of Conductors: 4

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.203

#### 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	7x32	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

Outer Jacket Ripcord: Yes

#### Overall Cable

##### Overall Cabling Lay Length & Direction:

Length (mm)	Direction	Twists (twist/m)
63.500	Left Hand	15.749

##### Overall Cabling Color Code Chart:

Color
Black
Red
White
Green

Overall Nominal Diameter: 3.683 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 25.299 Kg/Km

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Max. Recommended Pulling Tension:	186.824 N
Min. Bend Radius/Minor Axis:	34.925 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
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

#### Suitability

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

Plenum (Y/N):	No
Plenum Number:	6502FE

### Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN 5502FE CMR 75C 4C22 SHIELDED (UL) E108998 OR C(UL) CMG---FT4 (2 FT., 7 DIGIT SEQUENTIAL) FEET
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### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

73.823

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

Capacitance (pF/m)

132.881

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

53.8084

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

52.8241

#### 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
5502FE 008U1000	1,000 FT	19.000 LB	GRAY		4 #22 PP FS FRPVC
5502FE 008U500	500 FT	9.500 LB	GRAY		4 #22 PP FS FRPVC
5502FE 008Z1000	1,000 FT	20.000 LB	GRAY		4 #22 PO FS FRPVC
5502FE 0081000	1,000 FT	18.000 LB	GRAY	C	4 #22 PP FS FRPVC
5502FE 008500	500 FT	9.500 LB	GRAY		4 #22 PP FS FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

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