

5504FE Multi-Conductor - Commercial Applications

 For more Information
 please call

1-800-Belden1

**General Description:**

Security & Alarm Cable, Riser-CMR, 6-22 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
6	22	7x30	BC - Bare Copper

Total Number of Conductors: 6
Insulation**Insulation Material:**

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.008

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	0.017

Outer Jacket Ripcord: Yes
Overall Cable**Overall Cabling Lay Length & Direction:**

Length (in.)	Direction	Twists (twist/ft)
2.750	Left Hand	4.400

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green
Brown
Blue

Overall Nominal Diameter: 0.172 in.
Mechanical Characteristics (Overall)
Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

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Bulk Cable Weight:	27.200 lbs/1000 ft.
Max. Recommended Pulling Tension:	60.100 lbs.
Min. Bend Radius/Minor Axis:	1.625 in.

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:	6504FE

Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN-M 5504FE CMR 75C 6C22 SHIELDED (UL) E108998 OR C(UL) CMG (2 FT., 7 DIGIT SEQUENTIAL) FEET
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
22.500

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
40.500

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
16.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15.3

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Description	Current
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10C Temperature ris	2 Amps per conductor @ 25°C ambient
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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5504FE 008U1000	1,000 FT	23.000 LB	GRAY		6 #22 PP FS FRPVC
5504FE 008U500	500 FT	12.500 LB	GRAY		6 #22 PP FS FRPVC
5504FE 008Z1000	1,000 FT	26.000 LB	GRAY		6 #22 PO FS FRPVC
5504FE 0081000	1,000 FT	29.000 LB	GRAY	C	6 #22 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

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