Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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:

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®	Таре	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

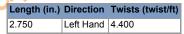
Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.017

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:



Overall Cabling Color Code Chart:

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.	7///
Min. Bend Radius/Minor Axis:	1.625 in.	3 O

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):	04/01/20
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:	- '. U)	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
Planum Number	6504FE

Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN-W 5504FE CMR 75C 6C22 SHIELDED
,', V)	(UL) E108998 OR C(UL) CMG (2 FT., 7 DIGIT SEQUENTIAL) FEET
	(01) 1:00000 0:: 0(01) 0:::0 (2::::; : 2::0::: 01 (2::::::::::::::::::::::::::::::::::::

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:

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	Description	Current

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10C Temperature ris | 2 Amps per conductor @ 25°C ambient

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	С	6 #22 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

SUPPliedby

Revision Date: 08-09-2013 Revision Number: 4

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