

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

5506FE Multi-Conductor - Commercial Applications



For more Information
please call

1-800-Belden1



General Description:

Security & Alarm Cable, Riser-CMR, 8-22 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
8	22	7x30	BC - Bare Copper

Total Number of Conductors: 8

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	0.018

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
Yellow

Overall Nominal Diameter:

0.187 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 26 lbs/1000 ft.

Max. Recommended Pulling Tension: 78.300 lbs.

Min. Bend Radius/Minor Axis: 1.875 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

Detailed Specifications & Technical Data



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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

Surface Printing (Overall)

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)
15.900

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Description	Current
Per conductor @ 25°C ambient based on 10°C temperature rise	2 Amps

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5506FE 0051000	1,000 FT	29.000 LB	GREEN, DARK		8 #22 PP FS FRPVC
5506FE 008U1000	1,000 FT	28.000 LB	GRAY		8 #22 PP FS FRPVC
5506FE 008U500	500 FT	15.000 LB	GRAY		8 #22 PP FS FRPVC
5506FE 0081000	1,000 FT	32.000 LB	GRAY	C	8 #22 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

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

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