Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



5306FE Multi-Conductor - Commercial Applications



For more Information please call

1-800-Belden1



General Description:

Security & Alarm Cable, Riser-CMR, 8-18 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 18 7x26 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 (%) Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 100 Outer Shield Drain Wire AWG: AWG Stranding Drain Wire Conductor Material Solid TC - Tinned Copper **Outer Jacket** Outer Jacket Material: Outer Jacket Material Nom. Wall Thickness (in.) PVC - Polyvinyl Chloride 0.018 **Outer Jacket Ripcord: Overall Cable** Overall Cabling Lay Length & Direction:

Length (in.)	Direction	Twists (twist/ft)
3.750	Left Hand	3.200

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	White
4	Green
5	Brown
6	Blue
7	Orange
8	Yellow

Overall Nominal Diameter: 0.245 in.

Mechanical Characteristics (Overall)				
Ope	erating Temperature Range:	-20°C To +75°C		
UL 1	Temperature Rating:	75°C		
Bull	k Cable Weight:	56 lbs/1000 ft.		
Max	. Recommended Pulling Tension:	193.200 lbs.		
Min.	. Bend Radius/Minor Axis:	2.500 in.		

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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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
Fla	ne Test	
	UL Flame Test:	UL1666 Vertical Shaft
	CSA Flame Test:	FT4
Sui	tability	
	Suitability - Indoor:	Yes
Ple	num/Non-Plenum	
	Plenum (Y/N):	No
	Plenum Number:	6306FE

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 27.000

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 48.500

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 15.250

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Description	Current
10C Temperature Rise	3.5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5306FE 0081000	1,000 FT	60.000 LB	GRAY	С	8 #18 PP FS FRPVC
5306FE 008500	500 FT	30.000 LB	GRAY	С	8 #18 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

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