Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



5405FE Multi-Conductor - Commercial Applications

Picture Not Available

For more Information please call

1-800-Belden1



General Description:

Security & Alarm Cable, Riser-CMR, 7-20 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

7

Physical Characteristics (Overall)

Conductor

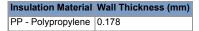
AWG:

# Conductors	AWG	Stranding	Conductor Material
7	20	7x28	BC - Bare Copper

Total Number of Conductors:

Insulation

Insulation Material:



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 (mm)
PVC - Polyvinyl Chloride	0.457

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:



Overall Cabling Color Code Chart:

Black
Red
White
Green
Brown
Blue
Orange

Overall Nominal Diameter: 4.801 mm

Mechanical Characteristics (Overall)

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

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UL Temperature Rating:	75°C
Bulk Cable Weight:	50.599 Kg/Km
Max. Recommended Pulling Tension:	432.810 N
Min. Bend Radius/Minor Axis:	47.625 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
ame Test	
III Flame Test:	LII 1666 Vertical Shaft

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UL Flame Test:	UL1666 Vertical Shaft		
CSA Flame Test:	FT4		

Plenum/Non-Plenum

Plenum (\	//N)·	N	\cap
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Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN-M 5405FE CMR 75C 7C20 SHIELDED
	(III.) E108998 OR C(III.) CMG (2 FT - 7 DIGIT SECHENTIAL) FEET

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 85.306

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 153.387

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 33.4662

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 34.4505

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current

2.6 Amps per conductor @ 25°C (10°C rise in temp)

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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5405FE 008U1000	1,000 FT	36.000 LB	GRAY		7 #20 PP FS FRPVC
5405FE 008Z1000	1,000 FT	39.000 LB	GRAY		7 #20 PP FS FRPVC
5405FE 0081000	1,000 FT	37.000 LB	GRAY	С	7 #20 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 07-29-2013

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