# **Detailed Specifications & Technical Data**



ENGLISH MEASUREMENT VERSION

### 5300FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information please call

1-800-Belden1



#### **General Description:**

Security & Commercial Audio Cable, Riser-CMR, 2-18 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

Usage (Overall)	
Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems
Physical Characteristics (Overall)	
Conductor	
AWG:	
# Conductors         AWG         Stranding         Conductor Material           2         18         7x26         BC - Bare Copper	
Total Number of Conductors:	2
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         7x32         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.) Twists (twist/ft) 1.750 6.900	
Overall Cabling Color Code Chart:	
Number Color	
1 Black	
2 Red	
Overall Nominal Diameter:	0.162 in.
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	22 lbs/1000 ft.
Max. Recommended Pulling Tension:	57.500 lbs.
Min. Bend Radius/Minor Axis:	1.600 in.
Applicable Specifications and Agency Compliance	(Overall)
Applicable Standards & Environmental Programs	
NEC/(UL) Specification:	CMR
NEC Articles:	800

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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
C(UL) Flame Test:	FT4
Plenum/Non-Plenum	
Plenum Number:	6300FE
Surface Printing (Overall)	
Electrical Characteristics (Overall)	
Nom. Inductance:	
Inductance (µH/ft)	
0.145	
0.145	

Nom. Capacitance Conductor to Conductor:

No	m. Capacitance Co	iductor to Conductor:
	Capacitance (pF/ft)	
	53.000	
No	m. Capacitance Co	nd. to Other Conductor & Shield:
	Capacitance (pF/ft)	
	95.500	
No	m. Conductor DC R	esistance:
	DCR @ 20°C (Ohm	1000 ft)
	6.5	
No	minal Outer Shield	DC Resistance:
	DCR @ 20°C (Ohm	1000 ft)
	16.250	
Max. Operating Voltage - UL:		
	Voltage	

300 V RMS

#### Max. Recommended Current: Current

5 Amps per conductor @ 25°C

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc	
5300FE 0051000	1,000 FT	19.000 LB	GREEN, DARK		2 #18 PP FS FRPVC	
5300FE 008U1000	1,000 FT	19.000 LB	GRAY		2 #18 PP FS FRPVC	
5300FE 008U500	500 FT	10.000 LB	GRAY		2 #18 PP FS FRPVC	
5300FE 0081000	1,000 FT	19.000 LB	GRAY	С	2 #18 PP FS FRPVC	
5300FE 008500	500 FT	9.500 LB	GRAY		2 #18 PP FS FRPVC	
5300FE 010U1000	1,000 FT	19.000 LB	BLACK		2 #18 PP FS FRPVC	
5300FE 0101000	1,000 FT	19.000 LB	BLACK		2 #18 PP FS FRPVC	

Notes: C = CRATE REEL PUT-UP.

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