Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION





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

For more Information please call

1-800-Belden1



Description:

18 AWG bare copper conductors, PP insulation, conductors cabled, Beldfoil® shield tape (foil side out) with drain wire, PVC jacket with ripcord, sequential footage marking every two feet.

2

Usage (Overall)

Suitable Applications:

Intercom/PA Systems, Sound/Audio Systems

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG Strandin		Conductor Material		
2	18	7x26	BC - Bare Copper		

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material Wall Thickness (mm)
PP - Polypropylene | 0.203

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

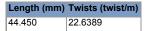
Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm	1)
PVC - Polyvinyl Chloride	0.432	

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:



Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 4.115 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	32.740 Kg/Km

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Max. Recommended Pulling Tension:	255.772 N
Min. Bend Radius/Minor Axis:	40.640 mm

Applicable Specifications and Agency Compliance (Overall)

Ap

Applicable Specifications and Agency Compliance (Overall)					
Applicable Standards & Environmental Programs					
NEC/(UL) Specification:	CMR				
NEC Articles:	800				
CEC/C(UL) Specification:	CMG				
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/m) 0.476

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 173.893

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 313.336

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 21.3265

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

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

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5300FE 008U1000	305 MT	8.618 KG	GRAY		2 #18 PP FS FRPVC
5300FE 008U500	152 MT	4.536 KG	GRAY		2 #18 PP FS FRPVC
5300FE 0081000	305 MT	8.618 KG	GRAY	С	2 #18 PP FS FRPVC
5300FE 008500	152 MT	4.309 KG	GRAY		2 #18 PP FS FRPVC
5300FE 010U1000	305 MT	8.618 KG	BLACK		2 #18 PP FS FRPVC
5300FE 0101000	305 MT	8.618 KG	BLACK		2 #18 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 10-18-2010

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