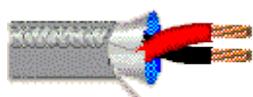


# Detailed Specifications & Technical Data



ENGLISH 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.

### Usage (Overall)

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems
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### Physical Characteristics (Overall)

#### Conductor

AWG:

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

#### 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 (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.

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Min. Bend Radius (Install)/Minor Axis: 1.600 in.

### 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
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### Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (μH/ft)
0.145

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
53.000

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
95.500

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.5

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
16.750

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

#### Max. Recommended Current:

Current
5 Amps per conductor @ 25°C

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

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

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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	C	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.

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

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