# **Detailed Specifications & Technical Data**

**ENGLISH MEASUREMENT VERSION** 



#### 5520FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information please call

1-800-Belden1



## **Description:**

22 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	Stranding	Conductor Material
2	22	Solid	BC - Bare Copper

Total Number of Conductors:

#### Insulation

**Insulation Material:** 

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.007

#### **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 Materia	
24	Solid	TC - Tinned Copper	

#### **Outer Jacket**

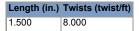
**Outer Jacket Material:** 

Outer Jacket Material	Nom. Wall Thickness (in.)		
PVC - Polyvinyl Chloride	0.017		

Outer Jacket Ripcord: Yes

#### **Overall Cable**

Overall Cabling Lay Length & Direction:



#### **Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.118 in.

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	13.100 lbs/1000 ft.

Page 1 of 3 09-04-2012

# **Detailed Specifications & Technical Data**





#### 5520FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

	Max. Recommended Pulling Tension:	23.400 lbs.		
	Min. Bend Radius/Minor Axis:	1.250 in.		
Appl	licable Specifications and Agency Comp	pliance (Overall)		
App	Applicable Standards & Environmental Programs			
1	NEC/(UL) Specification:	CMR		
	NEC Articles:	800		
-	CEC/C(UL) Specification:	CMG		

Yes

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 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

**EU CE Mark:** 

Plenum (Y/N): No

Plenum Number: 6520FE

#### **Surface Printing (Overall)**

# **Electrical Characteristics (Overall)**

EU Directive 2002/96/EC (WEEE):

Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 72.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/1000 ft) 17.900

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current 2.8 Amps per conductor @ 25°C

### **Put Ups and Colors:**

# **Detailed Specifications & Technical Data**





#### 5520FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5520FE 008C1000	1,000 FT	9.000 LB	GRAY		2 #22 PP FS FRPVC
5520FE 008U1000	1,000 FT	10.000 LB	GRAY		2 #22 PP FS FRPVC
5520FE 0081000	1,000 FT	10.000 LB	GRAY		2 #22 PP FS FRPVC

Revision Number: 2 Revision Date: 05-14-2010

© 2012 Belden, Inc All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.