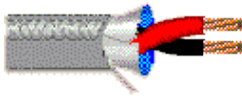


Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



5101FE Multi-Conductor - Commercial Audio Systems



For more Information
please call

1-800-Belden1



Description:

14 AWG bare copper conductors, PVC 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

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	14	19x27	BC - Bare Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.014

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
16	19x29	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.015

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)
3.25

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red

Overall Nominal Diameter: 0.253 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 62.400 lbs/1000 ft.

5101FE Multi-Conductor - Commercial Audio Systems

Max. Recommended Pulling Tension:	172.900 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL3R
NEC Articles:	725
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
CSA Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6101FE

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)
.15

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
83

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
149.4

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.54

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.96

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
8 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

5101FE Multi-Conductor - Commercial Audio Systems

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5101FE 0081000	1,000 FT	53.000 LB	GRAY	C	3 #14 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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