

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

5401FE Multi-Conductor - Commercial Audio Systems



For more Information
please call

1-800-Belden1



Description:

20 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
3	20	7x28	BC - Bare Copper

Insulation

Insulation Material:

Insulation Material
PP - Polypropylene

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.)
3	4

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	White

Overall Nominal Diameter:

0.145 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 19.200 lbs/1000 ft.

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Max. Recommended Pulling Tension: 46.900 lbs.

Min. Bend Radius (Install)/Minor Axis: 1.500 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 (Y/N): No

Plenum Number: 6401FE

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μ H/ft)
.17

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
50.000

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
90.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.2

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
16.100

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
3.75 Amps per conductor @ 25°C (10°C rise in temp)

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5401FE 008U1000	1,000 FT	19.000 LB	GRAY		3 #20 PP FS FRPVC
5401FE 008U500	500 FT	10.000 LB	GRAY		3 #20 PP FS FRPVC
5401FE 0081000	1,000 FT	19.000 LB	GRAY	C	3 #20 PP FS FRPVC
5401FE 008500	500 FT	9.500 LB	GRAY		3 #20 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

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