

## 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

**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.

## 5401FE Multi-Conductor - Commercial Audio Systems

Max. Recommended Pulling Tension:	46.900 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.500 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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 (μH/ft)
.17

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
50.000

## Nom. Capacitance Cond. to Other Conductor &amp; 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:

## 5401FE Multi-Conductor - Commercial Audio Systems

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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