

## 6400FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1

**Description:**

20 AWG bare copper conductors, Flamarrest® insulation, conductors cabled, Overall Beldfoil® tape shield (foil side out) and drain wire, Flamarrest® jacket with ripcord, sequential footage marking every two feet.

**Usage (Overall)**

**Suitable Applications:** Intercom/PA Systems and Sound/Audio Systems.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
2	20	7x28	BC - Bare Copper

**Insulation****Insulation Material:**

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.229

**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 Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

**Outer Jacket Ripcord:** Yes

**Overall Cabling****Overall Cabling Lay Length & Direction:**

Length (mm)	Twists (m.)
50.7998	1.8288

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red

**Overall Nominal Diameter:** 3.607 mm

**Mechanical Characteristics (Overall)**

**Operating Temperature Range:** 0°C To +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 22.770 Kg/Km

**Max. Recommended Pulling Tension:** 165.028 N

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Min. Bend Radius (Install)/Minor Axis:	38.100 mm
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## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CMP
NEC Articles:	800
CEC/C(UL) Specification:	CMP
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:	NFPA 262
C(UL) Flame Test:	FT6

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5400FE

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (μH/m)
0.52496

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
183.736

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

Capacitance (pF/m)
330.725

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
33.7943

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
54.793

## Max. Operating Voltage - UL:

Voltage
300 V RMS

## Max. Recommended Current:

Current
3.75 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

**6400FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6400FE 877U1000	305 MT	7.711 KG	NATURAL		2 #20 FLRST FS FLRST
6400FE 8771000	305 MT	7.711 KG	NATURAL	C	2 #20 FLRST FS FLRST

**Notes:**

C = CRATE REEL PUT-UP.

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