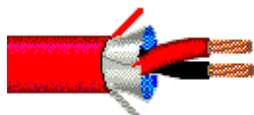


6100FL Multi-Conductor - Commercial Audio Systems



For more Information
please call

1-800-Belden1

**Description:**

14 AWG stranded (19x27) 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:**

Fire Protections, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits

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

# Conductors	AWG	Stranding	Conductor Material
2	14	19x27	BC - Bare Copper

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.011

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
22	7x30	TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

Outer Jacket Ripcord:

Yes

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

Length (in.)	Twists (ft.)
2.750	4.400

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter:

0.218 in.

Mechanical Characteristics (Overall)**Operating Temperature Range:**

0°C To +75°C

UL Temperature Rating:

75°C

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Bulk Cable Weight:	38 lbs/1000 ft.
Max. Recommended Pulling Tension:	95 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.125 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	FPLP
NEC Articles:	760
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):	10/01/2009
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
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5100FL

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
78.500

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
141.250

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.500

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.000

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
14 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6100FL 002U1000	1,000 FT	40.000 LB	RED		2 #14 FLRST FS FLRST
6100FL 0021000	1,000 FT	40.000 LB	RED	C	2 #14 FLRST FS FLRST

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Notes:

C = CRATE REEL PUT-UP.

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