

METRIC MEASUREMENT VERSION



6300FC Multi-Conductor - Pro Audio and Intercom System - 2 Conductors Cabled

For more Information
please call

1-800-Belden1



Description:

18 AWG bare copper conductors, FEP insulation, cabled with a Beldfoil® shield tape and drain wire, Flamarrest® jacket.

Usage (Overall)

Suitable Applications: Pro Audio, Intercom/PA Systems, Security Systems

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	18	7x26	BC - Bare Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.1524

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
20	7x28	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	0.4191

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 3.937 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 29.020 Kg/Km

Max. Recommended Pulling Tension: 253.547 N

Min. Bend Radius/Minor Axis: 40.640 mm

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & 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
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

29

Nom. Inductance:

Inductance (µH/m)

0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

187.017

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

336.631

Nominal Velocity of Propagation:

VP (%)

62

Nominal Delay:

Delay (ns/m)

0.482307

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

21.3265

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

23.9513

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

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Current

5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6300FC 877U1000	305 MT	9.979 KG	NATURAL		2 #18 FEP FS FLMRST
6300FC 8771000	305 MT	9.979 KG	NATURAL	C	#18 FEP FS FLMRST

Notes:

C = CRATE REEL PUT-UP.

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