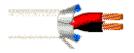
Detailed Specifications & Technical Data

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	Туре	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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Detailed Specifications & Technical Data





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

Applicable Specifications and Agency Cor	mpliance (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			
Electrical Characteristics (Overall)				

Nom. Characteristic Impedance:

Impedance	(Ohm)
29	

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 23.9513

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



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

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	С	#18 FEP FS FLMRST

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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