BELDEN

Product: 6302FC ⧉

Security & Sound, 4 Conductor 18 AWG BC, Shielded, Plenum

Product Description

Security, Pro Audio & Intercom Cable, 4 Conductor 18 AWG stranded (7x26) bare copper conductors with FEP insulation, Beldfoil® shield, Plenum, Flamarrest® jacket with ripcord.

Technical Specifications

Product Overview

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	FEP - Fluorinated Ethylene Propylene	0.006 in (0.15 mm)	0.059 in (1.5 mm)	Black, Red, White, Green

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.176 in	Yes

Overall Cable Diameter (Nominal):	0.176 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
6.5 Ohm/1000ft	52 pF/ft (170 pF/m)	102.6 pF/ft (336.6 pF/m)	4 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
1.76 in (44.7 mm)	1.76 in

Max. Pull Tension:	102 lbs (46.3 kg)
Bulk Cable Weight:	34 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL 910), FT6
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.369 Revision Date: 12-20-2022

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
6302FC 8771000	Natural	Reel	1,000 ft	612825175414	C

Mouser Electronics

Authorized Distributor

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