Belden



Product: 6202FE

Security & Sound, 4 Conductor 16 AWG, BC, Shielded, CMP

Product Description

Security & Commercial Audio Cable, Plenum-CMP, 4-16 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	16 AWG	19x29	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.075 in (1.9 mm)	Black, Red, White, Green

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.215 in (5.46 mm)	Yes

Overall Cable Diameter (Nominal):	0.215 in (5.46 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Conductor(s)	4 Ohm/1000ft	45 pF/ft (150 pF/m)	81 pF/ft (270 pF/m)	0.15 µH/ft (0.49 µH/m)	14.4 Amps per conductor @ 25°C

Nom Outer Shield DCR@Cond DCR1-cnv:	14.4 Ohm/1000ft (47.2 Ohm/km)

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°C to +75°C

Bend Radius

Stationary Min.	Installation Min.

2.2 in (56 mm)	2.2 in (56 mm)

Max. Pull Tension:	165 lbs (74.8 kg)
Bulk Cable Weight:	46 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5202FE

History

Update and Revision:	Revision Number: 0.510 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
6202FE 8771000	Natural	Reel	1,000 ft	612825428954	C
6202FE 877Z1000	Natural	ReelTuff Box	1,000 ft	612825174271	

Footnote:	C - CRATE REEL PUT-UP.

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