

Product: 5202FE

Security & Sound, #16-4c, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 4-16 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy Environment

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	4	16 AWG	19x29	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PP - Polypropylene	0.008 in (0.20 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	0.017 in (0.43 mm)	0.214 in (5.44 mm)	Yes

Overall Cable Diameter (Nominal):	0.214 in (5.44 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	4 Ohm/1000ft (13 Ohm/km)	30.5 pF/ft (100 pF/m)	55 pF/ft (180 pF/m)	5.0 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V (CMR)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.1 in (53 mm)	2.1 in (53 mm)

Max. Pull Tension:	146 lbs (66.2 kg)

Bulk Cable Weight:	44 lbs/1000ft (65 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6202FE

History

Update and Revision:	Revision Number: 0.263 Revision Date: 02-08-2022

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN
5202FE.00152	Chrome	Reel	152 m	8719605008077
5202FE.00305	Chrome	Reel	305 m	8719605008084
5202FE 0081000	Gray			612825157854
5202FE 008500	Gray			612825157861

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