

Product: 5405FE

Security & Sound, #20-7c, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 7-20 AWG stranded bare copper conductors with polyolefin 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	No. of Elements	Size	Stranding	Material
Conductor(s)	7	20	7x28	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PP - Polypropylene	0.008 in (0.20 mm)	0.062 in (1.6 mm)	Black, Red, White, Green, Brown, Blue, Orange

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	0.018 in (0.46 mm)	0.189 in	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
10.8 Ohm/1000ft	26 pF/ft (85 pF/m)	46.75 pF/ft (153.4 pF/m)	2.6 Amps per Conductor at 25ºC

Nom Outer Shield DCR@Cond DCR1-cnv:	15.8 Ohm/1000ft (51.8 Ohm/km)

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.
1.89 in (48.0 mm)	1.89 in

Max. Pull Tension:	97.3 lbs (44.1 kg)

Bulk Cable Weight:	34 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
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)

History

Update and Revision:	Revision Number: 0.324 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC	Footnote
5405FE 0081000	Gray	612825162254	C
5405FE 008U1000	Gray	612825162247	

Footnote:	C - CRATE REEL PUT-UP.

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