

Product: 5403FE

Security & Sound, #20-5c, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 5-20 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)	5	20 AWG	7x28	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PP - Polypropylene	0.008 in (0.20 mm)	Black, Red, White, Green, Brown

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)	0.177 in (4.50 mm)	Yes

Overall Cable Diameter (Nominal):	0.177 in (4.50 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	10.2 Ohm/1000ft (33.5 Ohm/km)	26 pF/ft (85 pF/m)	46.75 pF/ft (153.4 pF/m)	3 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.
1.8 in (46 mm)	1.8 in (46 mm)

Max. Pull Tension:	72 lbs (33 kg)
Bulk Cable Weight:	26 lbs/1000ft (39 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL1666 Riser
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6403FE

History

Update and Revision:	Revision Number: 0.294 Revision Date: 12-15-2021

Part Numbers

Variants

Item #	Color	UPC
5403FE 0081000	Gray	612825337065
5403FE 008U1000	Gray	612825162223

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