




Product: [5402FE](#) 

Security & Sound, #20-4c, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 4-20 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
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	20	7x28	BC - Bare Copper	4

Conductor Count:	4
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Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PP - Polypropylene	0.008 in

Color Chart

Color
Black
Red
White
Green

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	7x32

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.163 in	0.017 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
10.2 Ohm/1000ft	11.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
24.75 pF/ft	44.5 pF/ft

Current

Max. Recommended Current [A]
3 Amps per conductor @ 25°C A

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	22 lbs/1000ft
Max Recommended Pulling Tension:	59.5 lbs
Min Bend Radius/Minor Axis:	1.75 in

Standards

NEC Articles:	800
CEC/C(UL) Specification:	CMG

Applicable Environmental and Other Programs

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6402FE

Part Number

Variants

Item #	Color	UPC
5402FE 0081000	Gray	612825337058
5402FE 008500	Gray	612825162148
5402FE 008C500	Gray	
5402FE 008U1000	Gray	612825162124
5402FE 008U500	Gray	612825162131

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.242 Revision Date: 05-11-2020
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