Product: 5504FE

Security & Sound, #22-6c, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 6-22 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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	BC - Bare Copper	6

Conductor Count:	6

Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.008 in

Color Chart

Color
Black
Red
White
Green
Brown
Blue

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	0.172 in	0.017 in	Yes

Construction and Dimensions

Cabling

Lay Direction	Twists
Left Hand	4.4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
16.4 Ohm/1000ft	15.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
22.5 pF/ft	40.5 pF/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	2 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:	27.2 lbs/1000ft
Max Recommended Pulling Tension:	60.1 lbs
Min Bend Radius/Minor Axis:	1.625 in

Standards

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

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

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6504FE

Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
5504FE.00305	Chrome	Reel	305 m	8719605008756
5504FE 0081000	Gray			612825163763
5504FE 008C500	Gray			
5504FE 008U1000	Gray			612825163749
5504FE 008U500	Gray			612825163756

Footnote:	C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.236 Revision Date: 04-28-2020

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