Product: 5345FE

Security & Sound, #18-6pr, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 6-18 AWG stranded bare copper pairs 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
Pair(s)	6	18	7x26	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PO - Polyolefin	0.007 in (0.18 mm)	0.062 in (1.6 mm)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & 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	0.018 in (0.46 mm)	0.334 in (8.48 mm)	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
6.93 Ohm/1000ft	29 pF/ft (95 pF/m)	52.4 pF/ft (172 pF/m)	3.5 Amps per Conductor at 25ºC

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.
3.34 in (84.8 mm)	3.34 in (84.8 mm)

Max. Pull Tension:	274.8 lbs (124.6 kg)

Bulk Cable Weight:	82 lbs/1000ft

Standards and Compliance

Flammability / Reaction to Fire:	UL 1666 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 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)
Plenum Number:	6345FE

History

Update and Revision:	Revision Number: 0.421 Revision Date: 12-22-2023

Part Numbers

Variants

Item #	Color	UPC	Footnote
5345FE 0081000	Gray	612825161318	C

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