BELDEN

Product: 5541FE ⧉

Security & Sound, #22-2pr, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 2-22 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)	2	22	7x30	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PO - Polyolefin	0.008 in (0.20 mm)	0.045 in (1.1 mm)	Black & Red, Black & White

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)	0.189 in (4.80 mm)	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
17.6 Ohm/1000ft	24 pF/ft (79 pF/m)	43.25 pF/ft (141.9 pF/m)	2.2 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.
1.89 in (48.0 mm)	1.89 in (48.0 mm)

Max. Pull Tension:	41.8 lbs (19.0 kg)

Bulk Cable Weight:	18 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:	6541FE

History

Update and Revision:	Revision Number: 0.423 Revision Date: 03-04-2023

Part Numbers

Variants

Item #	Color	UPC	Footnote
5541FE 0081000	Gray	612825164258	C
5541FE 008U1000	Gray	612825164241	