Belden



Product: 5502FE

Security & Sound, #22-4c BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 4-22 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	No. of Elements	Size	Stranding	Material
Conductor(s)	4	22 AWG	7x30	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.008 in (0.20 mm)	0.045 in (1.1 mm)	Black, Red, White, Green

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)	0.145 in (3.68 mm)	Yes

Overall Cable Diameter (Nominal):	0.145 in (3.68 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	16.9 Ohm/1000ft	22.5 pF/ft (73.8 pF/m)	40.5 pF/ft (133 pF/m)	4.8 Amps per Conductor @ 25°C

Nom Outer Shield DCR@Cond DCR1-cnv:	16.1 Ohm/1000ft (52.8 Ohm/km)

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.
1.5 in (38 mm)	1.5 in (38 mm)

Max. Pull Tension:	42 lbs (19 kg)
Bulk Cable Weight:	16 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, IEEE 1202 FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.461 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
5502FE 0081000	Gray			612825163299	C
5502FE 008500	Gray			612825163305	
5502FE 008C500	Gray				
5502FE 008U1000	Gray			612825163275	
5502FE 008U500	Gray			612825163282	
5502FE.00152	Gray	Reel	152 m	8719605008671	
5502FE.00305	Gray	Reel	305 m	8719605008688	
5502FE.00U305	Gray	Reel	305 m	8719605008695	

Footnote:	C - CRATE REEL PUT-UP.

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