

Product: 5500FE

Security & Sound, 2 Conductor 22 AWG, BC, CMR

Product Description

Security & Sound Cable, Riser-CMR, 2-22 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, Noisy Environment

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	2	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

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)	0.126 in (3.20 mm)	Yes

Overall Cable Diameter (Nominal):	0.126 in (3.20 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	16.1 Ohm/1000ft (52.8 Ohm/km)	34.5 pF/ft (113 pF/m)	62 pF/ft (200 pF/m)	2.8 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.
1.3 in (33 mm)	1.3 in (33 mm)

Max. Pull Tension:	23.7 lbs (10.8 kg)
Bulk Cable Weight:	10 lbs/1000ft (15 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL1666 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, 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:	6500FH

History

Update and Revision:	Revision Number: 0.401 Revision Date: 01-04-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN
5500FE 010U1000	Black	UnReel	1,000 ft	612825423867
5500FE 010Z1000	Black	ReelTuff Box	1,000 ft	612825162841
5500FE.00152	Gray	Reel	152 m	8719605008558
5500FE.00305	Gray	Reel	305 m	8719605008565
5500FE.00U305	Gray	Reel	305 m	8719605008572
5500FE 008500	Gray	Reel	500 ft	612825162773
5500FE 008U500	Gray	UnReel	500 ft	612825423836
5500FE 0081000	Gray	Reel	1,000 ft	612825162803
5500FE 008U1000	Gray	UnReel	1,000 ft	612825162780
5500FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825162810
5500FE 009U1000	White	UnReel	1,000 ft	612825423850
5500FE 009Z1000	White	ReelTuff Box	1,000 ft	612825162827

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.