



Product: [5300FE](#) 

Security & Sound, 2 Conductor 18 AWG, BC, Shielded, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 2-18 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems
------------------------	--

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PO - Polyolefin	0.009 in (0.23 mm)	0.062 in (1.6 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)	0.162 in (4.11 mm)	Yes

Overall Cable Diameter (Nominal):	0.162 in (4.11 mm)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Conductor(s)	6.5 Ohm/1000ft	53 pF/ft (170 pF/m)	95.5 pF/ft (313 pF/m)	0.145 µH/ft (0.476 µH/m)	5 Amps per conductor @ 25°C

Nom Outer Shield DCR@Cond DCR1-cnvt:	16.25 Ohm/1000ft (53.31 Ohm/km)
--------------------------------------	---------------------------------

Voltage

UL Voltage Rating
300 V (CMR)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
-----------------	-------------------

1.6 in (41 mm)	1.6 in (41 mm)
Max. Pull Tension:	58 lbs (26 kg)
Bulk Cable Weight:	18 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
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 2015/863/EU (RoHS 2 amendment), 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:	6300FE

History

Update and Revision:	Revision Number: 0.547 Revision Date: 09-07-2025
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
5300FE 0101000	Black	Reel	1,000 ft	612825158981	
5300FE 010U1000	Black	UnReel	1,000 ft	612825423362	
5300FE 010Z1000	Black	ReelTuff Box	1,000 ft	612825159025	
5300FE 0061000	Blue, Light	Reel	1,000 ft	612825350323	
5300FE.00152	Chrome	Reel	152 m	8719605008145	
5300FE.00305	Chrome	Reel	305 m	8719605008152	
5300FE 008500	Gray	Reel	500 ft	612825336754	
5300FE 008U500	Gray	UnReel	500 ft	612825423348	
5300FE 0081000	Gray	Reel	1,000 ft	612825158974	C
5300FE 008U1000	Gray	UnReel	1,000 ft	612825158950	
5300FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825350330	
5300FE 0031000	Orange	Reel	1,000 ft	612825350309	
5300FE 0021000	Red	Reel	1,000 ft	612825423331	
5300FE 002Z1000	Red	ReelTuff Box	1,000 ft	612825350293	
5300FE 0071000	Violet	Reel	1,000 ft	612825158967	
5300FE 0091000	White	Reel	1,000 ft	612825423355	
5300FE 009Z1000	White	ReelTuff Box	1,000 ft	612825158998	
5300FE 0041000	Yellow	Reel	1,000 ft	612825350316	

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

© 2025 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.