



REPRESENTATIVE IMAGE

**Product:** [5200FE](#)

Security & Sound, 2 Conductor 16 AWG, BC, CMR

## Product Description

Security & Commercial Audio Cable, Riser-CMR, 2-16 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	16 AWG	19x29	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PP - Polypropylene	0.008 in (0.20 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)	0.188 in (4.78 mm)	Yes

Overall Cable Diameter (Nominal):	0.188 in (4.78 mm)
-----------------------------------	--------------------

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	4 Ohm/1000ft (13 Ohm/km)	58 pF/ft (190 pF/m)	114 pF/ft (374 pF/m)	6.25 Amps per Conductor at 25°C

#### 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.
1.9 in (48 mm)	1.9 in (48 mm)

Max. Pull Tension:	85.5 lbs (38.8 kg)
Bulk Cable Weight:	24 lbs/1000ft (36 kg/km)

## Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL1666 Vertical Shaft, 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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6200FH

## History

Update and Revision:	Revision Number: 0.331 Revision Date: 04-08-2022
----------------------	--

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC/EAN
5200FE 0101000	Black	Reel	1,000 ft	612825446002
5200FE 010Z1000	Black	ReelTuff Box	1,000 ft	612825157335
5200FE 0061000	Blue, Light	Reel	1,000 ft	612825350446
5200FE.00152	Chrome	Reel	152 m	8719605007940
5200FE.00305	Chrome	Reel	305 m	8719605007964
5200FE.00U305	Gray	Reel	305 m	8719605007971
5200FE 008500	Gray	Reel	500 ft	612825157274
5200FE 008U500	Gray	UnReel	500 ft	612825423485
5200FE 0081000	Gray	Reel	1,000 ft	612825157304
5200FE 008U1000	Gray	UnReel	1,000 ft	612825157281
5200FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825350453
5200FE.001500	Gray	Reel	1,500 m	8719605007933
5200FE.001525	Gray	Reel	1,525 m	8719605007957
5200FE 0051000	Green, Dark	Reel	1,000 ft	612825350439
5200FE 0031000	Orange	Reel	1,000 ft	612825350415
5200FE 0021000	Red	Reel	1,000 ft	612825423478
5200FE 002Z1000	Red	ReelTuff Box	1,000 ft	612825350408
5200FE 0071000	Violet	Reel	1,000 ft	612825157298
5200FE 009U1000	White	UnReel	1,000 ft	612825423492
5200FE 0091000	White	Reel	1,000 ft	612825157311
5200FE 009Z1000	White	ReelTuff Box	1,000 ft	612825350460
5200FE 0041000	Yellow	Reel	1,000 ft	612825350422

© 2022 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.