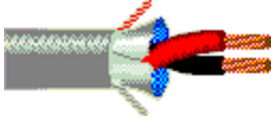## Product: [5400FE](#) ⧉

Security & Sound, 2 Conductor 20 AWG, BC, O/A Foil, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 2-20 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
20	7x28	BC - Bare Copper	2

Conductor Count:	2

Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.008 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	7x32

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.142 in	0.017 in	Yes

Construction and Dimensions

Cabling

Lay Direction	Twists
Left Hand	4.8 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
10.3 Ohm/1000ft	16.7 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
40 pF/ft	72 pF/ft

Inductance

Nominal Inductance
0.155 µH/ft

Current

Max. Recommended Current [A]
3.75 Amps per conductor @ 25°C (10°C rise in temp)

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	13 lbs/1000ft
Max Recommended Pulling Tension:	37.1 lbs
Min Bend Radius/Minor Axis:	1.375 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1666 Vertical Shaft
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6400FE

Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
5400FE.00305	Chrome	Reel	305 m	8719605008497
5400FE 008500	Gray	Reel	500 ft	612825161929
5400FE 008U500	Gray	UnReel	500 ft	612825423294

5400FE 0081000	Gray	Reel	1,000 ft	612825161943
5400FE 008U1000	Gray	UnReel	1,000 ft	612825161936
5400FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825161967

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

History

| Update and Revision: | Revision Number: 0.287 Revision Date: 04-28-2020 |

5400FE 0081000	Gray	Reel	1,000 ft	612825161943
5400FE 008U1000	Gray	UnReel	1,000 ft	612825161936
5400FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825161967

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

History

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable](#):
  [5400FE 008500](#) [5400FE 008U500](#) [5400FE 0081000](#)