



**Part Number: 5300FE**

Security & Sound, 2 Conductor 18 AWG, BC, O/A Foil, CMR

## Product Description

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

## Technical Specifications

### Product Overview

Environmental Space:	Indoor - Riser
Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
18	7x26	TC - Tinned Copper	2

Conductor Count:	2
Conductor Size:	18 AWG

#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PP - Polypropylene	0.062 in	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	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	24	Solid

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.162 in	0.017 in	Yes

### Construction and Dimensions

#### Cabling

Twists
6.9 twist/ft

Print Legend:	NEW GENERATION(R) BY BELDEN 5300FE CMR 75C 2C18 SHIELDED (UL) E108998 OR C(UL) CMG----FT4 (2 FT., 7 DIGIT SEQUENTIAL) FEET
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### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.5 Ohm/1000ft	16.25 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
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53 pF/ft	95.5 pF/ft
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Shielding:	Multiple or Specialty
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#### Inductance

##### Nominal Inductance

0.145  $\mu$ H/ft

#### Current

##### Max. Recommended Current [A]

Per conductor @ 25°C: 5 A

#### 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:	18 lbs/1000ft
Max Recommended Pulling Tension:	57.5 lbs
Min Bend Radius/Minor Axis:	1.75 in

#### Standards

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

#### Applicable Environmental and Other Programs

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 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

#### Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1666 Vertical Shaft
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6300FH

#### Part Number

**Variants**

Item #	Color	Footnote
5300FE 0101000	Black	
5300FE 010U1000	Black	
5300FE 0061000	Blue, Light	
5300FE 0061000	Blue, Light	
5300FE.00152	Chrome	
5300FE.00305	Chrome	
5300FE 0081000	Gray	C
5300FE 008500	Gray	
5300FE 008U1000	Gray	
5300FE 008U500	Gray	
5300FE 0031000	Orange	
5300FE 0031000	Orange	
5300FE 0021000	Red	
5300FE 0021000	Red	
5300FE 0071000	Violet	
5300FE 0071000	Violet	
5300FE 0091000	White	
5300FE 0091000	White	
5300FE 0041000	Yellow	
5300FE 0041000	Yellow	

Footnote:	C - CRATE REEL PUT-UP.
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