

**5200FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled**

For more Information  
please call

1-800-Belden1

**General Description:**

Security & Commercial Audio Cable, Riser-CMR, 2-16 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

**Usage (Overall)**

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

**Physical Characteristics (Overall)****Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
2	16	19x29	BC - Bare Copper

**Total Number of Conductors:** 2

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.203

**Outer Shield****Outer Shield Material:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

**Outer Shield Drain Wire AWG:**

AWG	Stranding	Drain Wire Conductor Material
24	7x#32	TC - Tinned Copper

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

**Outer Jacket Ripcord:** Yes

**Overall Cable****Overall Cabling Lay Length & Direction:**

Length (mm)	Direction	Twists (twist/m)
76.200	Left Hand	13.124

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red

**Overall Nominal Diameter:** 4.674 mm

**Mechanical Characteristics (Overall)**

**Operating Temperature Range:** -20°C To +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 35.717 Kg/Km

## 5200FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

Max. Recommended Pulling Tension:	380.321 N
Min. Bend Radius/Minor Axis:	45.720 mm

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CMR
NEC Articles:	800
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Flame Test

UL Flame Test:	UL1666 Vertical Shaft
C(UL) Flame Test:	FT4

## Suitability

Suitability - Indoor:	Yes
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## Plenum/Non-Plenum

Plenum Number:	6200FE
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## Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN 5200FE CMR 75C 2C16 SHIELDED (UL) E108998 OR C(UL) CMG----FT4 (2 FT., 7 DIGIT SEQUENTIAL) FEET
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## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (μH/m)
0.459

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
190.298

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/m)
374.034

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
13.124

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
47.246

## Max. Operating Voltage - UL:

Voltage
300 V RMS

## METRIC MEASUREMENT VERSION

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## Max. Recommended Current:

Description	Current
10C Temperature Rise	6.25 Amps per conductor @ 25°C ambient

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5200FE 002Z1000	1,000 FT	29.000 LB	RED		2 #16 PO FS FRPVC
5200FE 0021000	1,000 FT	26.000 LB	RED		2 #16 PP FS FRPVC
5200FE 0031000	1,000 FT	26.000 LB	ORANGE		2 #16 PP FS FRPVC
5200FE 0041000	1,000 FT	26.000 LB	YELLOW		2 #16 PP FS FRPVC
5200FE 0051000	1,000 FT	26.000 LB	GREEN, DARK		2 #16 PP FS FRPVC
5200FE 0061000	1,000 FT	26.000 LB	BLUE, LIGHT		2 #16 PP FS FRPVC
5200FE 0071000	1,000 FT	26.000 LB	VIOLET		2 #16 PP FS FRPVC
5200FE 008U1000	1,000 FT	26.000 LB	GRAY		2 #16 PP FS FRPVC
5200FE 008U500	500 FT	13.500 LB	GRAY		2 #16 PP FS FRPVC
5200FE 008Z1000	1,000 FT	29.000 LB	GRAY		2 #16 PO FS FRPVC
5200FE 0081000	1,000 FT	27.000 LB	GRAY	C	2 #16 PP FS FRPVC
5200FE 008500	500 FT	14.000 LB	GRAY	C	2 #16 PP FS FRPVC
5200FE 009U1000	1,000 FT	26.000 LB	WHITE		2 #16 PP FS FRPVC
5200FE 009Z1000	1,000 FT	29.000 LB	WHITE		2 #16 PO FS FRPVC
5200FE 0091000	1,000 FT	26.000 LB	WHITE		2 #16 PP FS FRPVC
5200FE 010Z1000	1,000 FT	28.000 LB	BLACK		2 #16 PO FS FRPVC
5200FE 0101000	1,000 FT	26.000 LB	BLACK		2 #16 PP FS FRPVC

## Notes:

C = CRATE REEL PUT-UP.

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