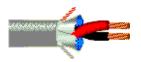
Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



5400FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information please call

1-800-Belden1



General Description:

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

2

Usage (Overall)

Suitable Applications:

Intercom/PA Systems, Sound/Audio Systems

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	20	7x28	BC - Bare Copper

Total Number of Conductors:

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)
63.500	Left Hand	15.749

Overall Cabling Color Code Chart:

Number	Colo
1	Black
2	Red

Overall Nominal Diameter: 3.607 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	19.347 Kg/Km

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Detailed Specifications & Technical Data





5400FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

	·
Max. Recommended Pulling Tension:	165.028 N
Min. Bend Radius/Minor Axis:	34.925 mm
Applicable Specifications and Agency (Compliance (Overall)
Applicable Standards & Environmental Pro	grams
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
Plenum/Non-Plenum	
Plenum (Y/N):	No
Plenum Number:	6400FE
Surface Printing (Overall)	
Surface Printing:	NEW GENERATION(R) BY BELDEN 5400EE CMR 75C 2C20 SHIELDED (UL)

Sur

Surface Printing: NEW GENERATION(R) BY BELDEN 5400FE CMR 75C 2C20 SHIELDED (UL) E108998 OR C(UL) CMG----FT4 (2 FT., 7 DIGIT SEQUENTIAL) FEET

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m) 0.509

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 131.240

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 236.232

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 33.7943

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

Max. Operating Voltage - UL:

Voltage

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



5400FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

300 V RMS

Max. Recommended Current:

Current

3.75 Amps per conductor @ 25°C (10°C rise in temp)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5400FE 008U1000	1,000 FT	15.000 LB	GRAY		2 #20 PP FS FRPVC
5400FE 008U500	500 FT	8.000 LB	GRAY		2 #20 PP FS FRPVC
5400FE 008Z1000	1,000 FT	16.000 LB	GRAY		2 #20 PP FS FRPVC
5400FE 0081000	1,000 FT	15.000 LB	GRAY	С	2 #20 PP FS FRPVC
5400FE 008500	500 FT	7.500 LB	GRAY		2 #20 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 05-18-2017

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