



For more Information
please call

1-800-Belden1



General Description:

Security & Commercial Audio Cable, Riser-CMR, 3-20 AWG stranded tinned 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
3	20	7x28	TC - Tinned Copper

Total Number of Conductors: 3

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	Solid	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 Color Code Chart:

Number	Color
1	Black
2	Red
3	White

Overall Nominal Diameter: 3.785 mm

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 25.299 Kg/Km

Max. Recommended Pulling Tension: 208.621 N

Min. Bend Radius/Minor Axis: 38.100 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & 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

METRIC MEASUREMENT VERSION

5401FH Multi-Conductor - Commercial Audio Systems

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MIL 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: 6401FH

Surface Printing (Overall)

Surface Printing: NEW GENERATION(R) BY BELDEN 5401FE CMR 75C 3C20 SHIELDED (UL) E108998 OR C(UL) CMG----FT4 (2 FT., 7 DIGIT SEQUENTIAL) FEET

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.55777

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
164.050

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
295.290

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
33.4662

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
52.824

Max. Operating Voltage - UL:

Voltage
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
5401FH 008U1000	1,000 FT	18.000 LB	GRAY		3 #20 PO FS FRPVC
5401FH 0081000	1,000 FT	18.000 LB	GRAY		3 #20 PO FS FRPVC

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).