



For more Information
please call

1-800-Belden1



General Description:

Security & Alarm Cable, Riser-CMR, 1-20 AWG stranded bare copper pair with PVC insulation and Beldfoil® shield, 1-20 AWG stranded bare copper conductors with insulation, Overall PVC jacket with ripcord

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	20	7	BC - Bare Copper

Total Number of Conductors: 3

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.381

Overall Cable

Overall Cabling Color Code Chart:

Color
Black & Red (shielded pair)
White

Overall Nominal Diameter: 4.978 mm

Pair

Pair Lay Length & Direction:

Lay Length (mm)
44.45

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 30.955 Kg/Km

5401GE Multi-Conductor - Commercial Applications

Max. Recommended Pulling Tension:	208.621 N
Min. Bend Radius/Minor Axis:	50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
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

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6401GE

Surface Printing (Overall)

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

Nom. Inductance:

Inductance (µH/m)	0.55777
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Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)	183.736
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Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)	331.381
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Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	33.4662
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Max. Operating Voltage - UL:

Voltage	300 V RMS
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Max. Recommended Current:

Current	3.75 Amps per conductor @ 25°C
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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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METRIC MEASUREMENT VERSION

5401GE Multi-Conductor - Commercial Applications

5401GE 0081000	1,000 FT	23.000 LB	GRAY		1 FSPR + 1 CDR #20PVCFRPVC
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Revision Number: 1 Revision Date: 03-11-2013

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