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1-800-Belden1



General Description:

Riser-CM, 2-20 AWG solid bare copper pairs with PVC insulation, Beldfoil® shield and PVC jacket with ripcord

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	20	Solid	BC - Bare Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Outer Shield Material
Beldfoil®	Aluminum Foil-Polyester Tape

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.508

Overall Cable

Overall Nominal Diameter: 5.867 mm

Pair

Pair Color Code Chart:

Number	Color
1	Red & Red
2	Black & Black

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 38.693 Kg/Km

Max. Recommended Pulling Tension: 145.011 N

Min. Bend Radius/Minor Axis: 58.420 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

2152AE Multi-Conductor - Commercial Applications

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:	UL1685 Vertical Tray Flame Test
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Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	2152PE

Surface Printing (Overall)

Surface Printing:	BELDEN 2152AE E108998(-PLANT ID) 20AWG 2PR TYPE CM SHIELDED (UL) (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FT
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

200.797

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

111.554

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

33.7943

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

34.4505

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

2.6 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
2152AE 0021000	1,000 FT	28.000 LB	RED		2 PR #20 PVC FS PVC

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