



For more Information  
please call

1-800-Belden1



### General Description:

CM, 3-20 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
3	20	Solid	BC - Bare Copper

Total Number of Conductors: 6

#### 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: 6.223 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Red & Red
2	Black & Black
3	Blue & Yellow

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 52.087 Kg/Km

Max. Recommended Pulling Tension: 217.962 N

Min. Bend Radius/Minor Axis: 63.500 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

EU Directive 2011/65/EU (ROHS II): Yes

## 2154AE Multi-Conductor - Commercial Applications

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:	2154PE

### Surface Printing (Overall)

Surface Printing:	BELDEN 2154AE E108998(-PLANT ID) 20AWG 3PR 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)
33.794

#### 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
2154AE 0081000	1,000 FT	37.000 LB	GRAY		3 PR #20 PVC FS PVC

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