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1-800-Belden1



General Description:

20 AWG solid .032" (.81mm) bare copper conductor(s), gas-injected FHDPE insulation, Beldfoil® + tinned copper braid shield (85% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	Solid	BC - Bare Copper	0.8128

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	3.7592

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	85

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 5.969 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
Bulk Cable Weight:	44.646 Kg/Km
Max. Recommended Pulling Tension:	266.892 N
Min. Bend Radius/Minor Axis:	63.500 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):	01/01/2004
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
Other Specification:	Telcordia Specification GR-139-CORE.

Flame Test

UL Flame Test: UL1666 Vertical Shaft

CSA Flame Test:	FT4
Suitability	
Suitability - Indoor:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No
Plenum Number:	734A1P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
55.1208

Nominal Velocity of Propagation:

VP (%)
80

Nominal Delay:

Delay (ns/m)
4.16687

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
32.81

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
7.8744

Max. Operating Voltage - UL:

Voltage
300 V RMS

Other Electrical Characteristic 1:	Impedance tested in accordance with ASTM D-4566 Paragraph 43.2, option 2 using a 75 OHM fixed bridge and termination.
Other Electrical Characteristic 2:	RL tested in accordance with ASTM D-4566 Paragraph 43.2, option 2 using a 75 OHM fixed bridge and termination.
Other Electrical Characteristic 3:	100% Sweep tested.

Minimum Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		15	95	30

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
734A1 0081000	1,000 FT	33.000 LB	GRAY	C	#20 LDPE/FHDPE SH PVC
734A1 008500	500 FT	16.500 LB	GRAY		#20 LDPE/FHDPE SH PVC

Notes:
C = CRATE REEL PUT-UP.

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