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1-800-Belden1

**General Description:**

Series 11, 14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (60% and 40% coverage), PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	14	Solid	BCCS - Bare Copper Covered Steel	1.6256

Total Number of Conductors: 1

**Insulation**

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	7.112

**Outer Shield**

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	AL - Aluminum	40

Outer Shield Flooding Grease: CoreGuard®

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

**Messenger**

Messenger Diameter: 1.829 mm

Messenger Material: Galvanized Steel

**Overall Cable**

Overall Nominal Diameter: 10.338 x 14.224 mm

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -40°C To +80°C

Bulk Cable Weight: 119.056 Kg/Km

Max. Recommended Pulling Tension: 978.604 N

Min. Bend Radius/Minor Axis: 114.300 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

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

EU CE Mark: No

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
MII Order #39 (China RoHS):	Yes
Series Type:	Series 11

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

75.000

#### Nom. Inductance:

Inductance (μH/m)

0.318257

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

53.1522

#### Nominal Velocity of Propagation:

VP (%)

83

#### Nominal Delay:

Delay (ns/m)

3.9372

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

36.091

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

9.843

#### Max. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

5	1.24678
55	3.18257
211	5.93861
270	6.72605
300	7.05415
350	7.61192
400	8.10407
450	8.69465
550	9.64614
750	11.4835
870	12.599
1000	13.8786

#### Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

#### Minimum Structural Return Loss:

Description Freq. (MHz) Start Freq. (MHz) Stop Freq. (MHz) Min. SRL (dB)

		5	1000	20
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## Notes (Overall)

**Notes:** Sweep tested 5 MHz to 1 GHz.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1620AM 0101000	1,000 FT	87.000 LB	BLACK		#14 GIFHDLDPE DBLSH PVC W/MSGR

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