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1-800-Belden1



### General Description:

14 AWG solid bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (100% coverage), PVC Jacket.

### Usage (Overall)

Suitable Applications: RG-11/U Type

### 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	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 Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 10.338 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +80°C

Bulk Cable Weight: 87.804 Kg/Km

Max. Recommended Pulling Tension: 1370.046 N

Min. Bend Radius/Minor Axis: 114.300 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2R, CMR

CEC/C(UL) Specification: CMG

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

MII Order #39 (China RoHS): Yes

RG Type: 11/U

### Flame Test

UL Flame Test: UL1666 Riser

CSA Flame Test: FT4

### Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 3095A

## Surface Printing (Overall)

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)	Tolerance (Ohms)
75	± 3

### Nom. Inductance:

Inductance (µH/m)
0.318257

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
53.1522

### Nominal Velocity of Propagation:

VP (%)
82

### 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)
4.9215

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.52496
2	0.59058
5	0.85306
10	1.24678
20	1.80455
50	2.72323
100	3.83877
200	5.2496
300	6.52919
400	7.5463

### Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.08273
2	1.14835
5	1.44364
10	2.16546
20	2.55918
50	3.24819
100	4.33092
200	6.13547
300	7.51349
400	8.66184

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Minimum Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5	400	20

### Notes (Overall)

**Notes:** Sweep tested 5 to 400 MHz. Tap marks every 2.6 Meters to aid users in installation.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3094A F2V1000	1,000 FT	67.000 LB	GRAY, DEC		#14 GIFHDLDPPE DSH PVC
3094A F2V2000	2,000 FT	136.000 LB	GRAY, DEC	C	#14 GIFHDLDPPE DSH PVC
3094A F2V500	500 FT	34.500 LB	GRAY, DEC		#14 GIFHDLDPPE DSH PVC

**Notes:**

C = CRATE REEL PUT-UP.

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