

## 1520A Coax - Bundled RGB Coaxial Cable Miniature Type



For more Information  
please call

1-800-Belden1

**General Description:**

30 AWG stranded (7x38) .012" TC conductors, foam HDPE insulation, coaxes w/Duofoil® + TC braid shield (90% coverage), overall Beldfoil® shield, overall PVC jacket.

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

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
3	30	7x38	TC - Tinned Copper	.013

Total Number of Conductors: 3

**Insulation**

Insulation Material:

Insulation Material	Dia. (in.)
FHDPE - Foam High Density Polyethylene	.056

**Inner Shield**

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	90

**Inner Jacket**

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.102

Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue

**Outer Shield**

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**

Overall Nominal Diameter: 0.283 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -40°C To +60°C

UL Temperature Rating: 60°C (UL AWM Style 1354)

Bulk Cable Weight: 46 lbs/1000 ft.

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Max. Recommended Pulling Tension:	42 lbs.
Min. Bend Radius/Minor Axis:	3 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CL2
AWM Specification:	UL Style 1354 (each coax); UL Style 2688 (overall)
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
RG Type:	Mini

## Suitability

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)

75

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/ft)

17.3

## Nominal Velocity of Propagation:

VP (%)

78

## Nominal Delay:

Delay (ns/ft)

1.30

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

100.0

## Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

9.5

## Nom. Attenuation:

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

1	0.80
5	1.50
10	2.20
30	4.00
50	5.40
100	8.20
200	12.5
400	18.9

## 1520A Coax - Bundled RGB Coaxial Cable Miniature Type

700	26.5
900	30.8
1000	32.8

**Max. Operating Voltage - UL:**

Voltage
30 V RMS (UL AWM Style 1354)
300 V RMS (CL2)

**Minimum Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		10	40	25

**Sweep Test**

**Sweep Testing:** 100% sweep tested. 10MHz to 40MHz.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1520A 0101000	1,000 FT	50.000 LB	BLACK	C	3 #30 FHDPE BRD PVC FS PVC
1520A 010500	500 FT	25.000 LB	BLACK	C	3 #30 FHDPE BRD PVC FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

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