

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. (mm)
3	30	7x38	TC - Tinned Copper	0.3302

Total Number of Conductors: 3

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FHDPE - Foam High Density Polyethylene	1.4224

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. (mm)
PVC - Polyvinyl Chloride	2.5908

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: 7.188 mm

Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 68.457 Kg/Km

1520A Coax - Bundled RGB Coaxial Cable Miniature Type

Max. Recommended Pulling Tension:	186.824 N
Min. Bend Radius/Minor Axis:	76.200 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & 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
---------------	----

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

56.7613

Nominal Velocity of Propagation:

VP (%)

78

Nominal Delay:

Delay (ns/m)

4.2653

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

328.1

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

31.1695

Nom. Attenuation:

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

1	2.6248
5	4.9215
10	7.2182
30	13.124
50	17.7174
100	26.9042
200	41.0125
400	62.0109

1520A Coax - Bundled RGB Coaxial Cable Miniature Type

700	86.9465
900	101.055
1000	107.617

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	305 MT	22.680 KG	BLACK	C	3 #30 FHDPE BRD PVC FS PVC
1520A 010500	152 MT	11.340 KG	BLACK	C	3 #30 FHDPE BRD PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 04-11-2008

© 2013 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.