


Product: [1521A](#) 



RGB Video, Mini #30-4 Coax Stranded TC, CL2

Product Description

RGB Video Coax, CL2-Rated, 4-30 AWG stranded tinned copper conductors, foam HDPE insulation, Duofoil® +90% tinned copper braid shield, overall Beldfoil® shield, inner PVC jackets, PVC jacket

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
30	7x38	TC - Tinned Copper	0.012 in	4

Conductor Count:	4
------------------	---

Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.056 in

Color Chart

Number	Color
1	Red
2	Green
3	Blue
4	White

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Tinned Copper (TC)		90%

Inner Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.102 in

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.31 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
100 Ohm/1000ft	100 Ohm/1000ft	9.5 Ohm/1000ft	9.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Other Conductor to Shield	Nom. Capacitance Conductor to Shield
17.3 pF/ft	17.3 pF/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
10-40 MHz	25 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.8 dB/100ft
5 MHz	1.5 dB/100ft
10 MHz	2.2 dB/100ft
30 MHz	4 dB/100ft
50 MHz	5.4 dB/100ft
100 MHz	8.2 dB/100ft
200 MHz	12.5 dB/100ft
400 MHz	18.9 dB/100ft
700 MHz	26.5 dB/100ft
900 MHz	30.8 dB/100ft
1000 MHz	32.8 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	78%

Voltage

UL Voltage Rating	Voltage Rating [V]
300 V RMS	30 V RMS
300 V RMS (CL2)	

Electrical Characteristics Notes: 30 V RMS (UL AWM Style 1354); 300 V RMS (CL2)

Temperature Range

Non-UL Temp Rating:	60°C
UL Temp Rating:	60°C
Operating Temp Range:	-40°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	55 lbs/1000ft
Max. Pull Tension:	56 lbs
Min Bend Radius/Minor Axis:	3 in

Standards

NEC/(UL) Compliance:	CL2
UL AWM Style Compliance:	UL Style 1354 (each coax); UL Style 2688 (overall)
CPR Euroclass:	Eca
RG Type:	Ultra-miniature 59

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
-----------------------	-----

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
1521A 010500	Black	Reel	500 ft	612825356547
1521A 0101000	Black	Reel	1,000 ft	612825356530

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

History

Update and Revision:	Revision Number: 0.312 Revision Date: 03-16-2021
----------------------	--

© 2021 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.