



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
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Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.056 in

Color Chart

Number	Color
1	Red
2	Green
3	Blue
4	White

Inner Shield

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	Nominal Diameter
PVC - Polyvinyl Chloride	0.102 in

Outer Shield

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

Outer Jacket

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)
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Temperature Range

Non-UL Temp Rating:	60°C
UL Temp Rating:	60°C
Operating Temperature 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:	AWM 1354 (each coax), AWM 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
III Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

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

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.389 Revision Date: 04-29-2024
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