



Part Number: 1520A

RGB Video, Mini #30-3 Coax Stranded TC, CL2



Product Description

RGB Video Coax, CL2-Rated, 3-30 AWG stranded tinned copper conductors, foam HDPE insulation, Duofoil® +90% tinned copper braid shield, overall Beldfoil® shield, inner PVC jackets, PVC jacket

Technical Specifications

Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
30	7x38	TC - Tinned Copper	0.013 in	3
Conductor Count:				3
AWG Size:				30

Insulation

Material	Nominal Diameter
FHDPE - Foamed High Density Polyethylene	0.056 in

Color Chart

Number	Color
1	Red
2	Green
3	Blue

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum Foil-Polyester Tape-Aluminum Foil	Duofoil®	100 %
Braid	2	TC - Tinned Copper		90 %

Inner Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.102 in

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.283 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Inner 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
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

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

Mechanical Characteristics

Bulk Cable Weight:	46 lbs/1000ft
Max Recommended Pulling Tension:	42 lbs
Min Bend Radius/Minor Axis:	3 in

Standards

NEC/(UL) Specification:	CL2
UL AWM Style:	UL Style 1354 (each coax); UL Style 2688 (overall)
RG Type:	Sub-miniature RG-59/U Type
Series Type:	Sub-miniature 59

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01

CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Part Number

Plenum (Y/N):	No
Suggested Connectors:	Kings # 2065-5-9 individual coaxes
Footnote:	C - CRATE REEL PUT-UP.

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