



**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

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
30	7x38	TC - Tinned Copper	0.013 in	3
<b>Total Number of Conductors:</b>				3

#### Insulation:

Material	Nominal Diameter
FHDPE - Foam High Density Polyethylene	0.056 in

#### Color Chart 3:

Number	Color
1	Red
2	Green
3	Blue

#### Innershield:

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

#### Innerjacket:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.102 in

#### Outershield 1:

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

#### Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.283 in

## Electrical Characteristics

#### Conductor DCR:

Nominal Conductor DCR	Nominal Inner Shield DCR
100 Ohm/1000ft	9.5 Ohm/1000ft

#### Capacitance:

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

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

Nominal Characteristic Impedance
75 Ohm

#### 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 %

## High Freq:

Min. RL (Return Loss) [dB]
25 dB

## Voltage:

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

## Use

Max Recommended Pulling Tension:	42 lbs
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## Temperature Range

Operating Temp Range:	-40°C To +60°C °C
UL Temp Rating:	60°C (UL AWM Style 1354) °C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	3 in
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## Part Number

Plenum (Y/N):	No
Suggested Connectors:	Kings# 2065-5-9 individual coaxes

## Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CL2
RG Type:	Mini
UL AWM Style:	UL Style 1354 (each coax); UL Style 2688 (overall)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No

## Product Variants

Part Number	Color	Put-Up Type	Length
1520A	BLACK	Reel	1000 ft
1520A	BLACK	Reel	305 m
1520A 0101000	BLACK	Reel	1000 ft
1520A	BLACK	Reel	500 ft
1520A	BLACK	Reel	152 m
1520A 010500	BLACK	Reel	500 ft
1520A			

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