


**Product:** [1281S5](#) 

RGB Video, Mini Hi-Res, Banana Peel #25-5 Coax TC, CMR



**Product Description**

RGB Video Coax, Riser-CMR, 5-25 AWG tinned copper conductors, foam HDPE insulation, Duobond® foil + 95% tinned copper interlocked serve shield, inner PVC jackets, Banana Peel construction

**Technical Specifications**

**Product Overview**

Suitable Applications:	RGB, VGA, SVGA, XGA, SXGA, UXGA, HDTV, LCD, Plasma, Digital Signage, Component Video, Video Mult., Animation, Special Effects, Suitable for use in Risers
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**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
25	Solid	TC - Tinned Copper	0.018 in	5

Conductor Count:	5
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**Insulation**

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.074 in

Table Notes:	Gas Injected
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**Color Chart**

Number	Color
1	Red
2	Green
3	Blue
4	Yellow
5	Black

**Inner Shield Material**

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Bi-Laminate (Alum+Poly)	Duobond®	100%
French Braid	2	Tinned Copper (TC)		95%

Table Notes:	Tape lightly bonded to dielectric
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**Inner Jacket Material**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.114 in

**Outer Shield Material**

Material
No Shield

**Outer Jacket Material**

Material	Nominal Diameter
Banana Peel (No Overall Jacket)	0.308 in

## Construction and Dimensions

### Cabling

Filler
Bonded Spline

## Electrical Characteristics

### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Inner Shield DCR	Outer Conductor DCR
34 Ohm/1000ft	34 Ohm/1000ft	5.4 Ohm/1000ft	5.4 Ohm/1000ft

### Capacitance

Nom. Capacitance Conductor to Shield
17 pF/ft

### Inductance

Nominal Inductance
0.087 $\mu$ H/ft

### Impedance

Nominal Characteristic Impedance
75 Ohm

### Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-850 MHz	20 dB

### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.52 dB/100ft
5 MHz	1.17 dB/100ft
50 MHz	3.7 dB/100ft
100 MHz	4.9 dB/100ft
200 MHz	6.7 dB/100ft
400 MHz	9.5 dB/100ft
750 MHz	13.4 dB/100ft
900 MHz	15 dB/100ft
1000 MHz	15.8 dB/100ft
3000 MHz	31.2 dB/100ft

### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.24 ns/ft	80%

### Voltage

UL Voltage Rating
300 V RMS

## Temperature Range

Non-UL Temp Rating:	75°C
UL Temp Rating:	60°C
Operating Temp Range:	-40°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	46 lbs/1000ft
Max. Pull Tension:	83 lbs
Min Bend Radius (Overall):	3.5 in
Min Bend Radius (Each Coax):	1.1 in

## Standards

NEC/(UL) Compliance:	CMR
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