

**Product: [1281S6](#)**

RGB Video, Mini Hi-Res, Banana Peel #25-6 Coax TC, CMR



**Product Description**

RGB Video Coax, Riser-CMR, 6-25 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
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**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
25	Solid	TC - Tinned Copper	0.018 in	6

Conductor Count:	6
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**Insulation**

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.074 in

Insulation, Table Note:	Gas Injected
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**Color Chart**

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

**Inner Shield Material**

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

InnerShield, Table Note:	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
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No Jacket (Banana Peel) 0.342 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

Non-UL Voltage Rating	UL Voltage Rating
300 V RMS	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:	57 lbs/1000ft
Max Recommended Pulling Tension:	100 lbs
Min Bend Radius (Overall):	4.25 in
Min Bend Radius (Each Coax):	1.1 in

## Standards

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
RG Type:	Sub-miniature 59/U Type

## Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	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):	2005-02-24
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
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## Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1282S6, 1280P

## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
1281S6 010500	Black	Reel	500 ft	612825355199
1281S6 0101000	Black	Reel	1,000 ft	612825355205
1281S6 000500	None	Reel	500 ft	612825355212
1281S6 0001000	None	Reel	1,000 ft	612825357933

Footnote: C - CRATE REEL PUT-UP.

## Product Notes

Notes:	For 1281S6 010, all jackets are black and printed "RED/1", "GREEN/2", "BLUE/3", "YELLOW/4", "BLACK/5", and "WHITE/6".
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## History

Update and Revision:	Revision Number: 0.246 Revision Date: 04-28-2020
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