


**Product:** [1283S6](#) 

VideoFLEX® Mini Hi-Res, Banana Peel #20-6 coax, CMP



### Product Description

RGB Video Coax, Plenum-CMP, 6-20 AWG tinned copper conductors, foam FEP insulation, Duobond® foil + 95% tinned copper braid shield, color-coded Flamarrest® 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 Plenum spaces
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	BC - Bare Copper	0.032 in	6

Conductor Count:	6
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##### Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.133 in

##### Color Chart

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

##### Inner Shield Material

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

##### Inner Jacket Material

Material	Nominal Diameter
PVC-LS - Polyvinyl Chloride (Low Smoke)	0.196 in

##### Outer Shield Material

Material
No Shield

##### Outer Jacket Material

Material	Nominal Diameter
No Jacket (Banana Peel)	0.588 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
10 Ohm/1000ft	10 Ohm/1000ft	3.8 Ohm/1000ft	3.8 Ohm/1000ft

### Capacitance

Nom. Capacitance Conductor to Shield
16.2 pF/ft

### Inductance

Nominal Inductance
0.107 $\mu$ H/ft

### Impedance

Nominal Characteristic Impedance
75 Ohm

### Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-850 MHz	23 dB
851-3000 MHz	15 dB

### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.3 dB/100ft
3.6 MHz	0.6 dB/100ft
10 MHz	0.9 dB/100ft
71.5 MHz	2.1 dB/100ft
135 MHz	2.7 dB/100ft
270 MHz	3.8 dB/100ft
360 MHz	4.4 dB/100ft
540 MHz	5.5 dB/100ft
720 MHz	6.4 dB/100ft
750 MHz	6.5 dB/100ft
1000 MHz	7.6 dB/100ft
1500 MHz	9.4 dB/100ft
2500 MHz	12.4 dB/100ft
3000 MHz	13.8 dB/100ft

### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.22 ns/ft	83%

### Voltage

UL Voltage Rating
300 V RMS

## Temperature Range

Non-UL Temp Rating:	75°C
UL Temp Rating:	60°C
Operating Temp Range:	-20°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	196 lbs/1000ft
Max. Pull Tension:	216 lbs

Min Bend Radius/Minor Axis:	6.5 in
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## Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
RG Type:	59/U Type
Series Type:	Series 59

## Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
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:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-06-01
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Aerial:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No

## Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
1283S6 000250	None	Reel	250 ft	612825110873
1283S6 000500	None	Reel	500 ft	612825110880
1283S6 0001000	None	Reel	1,000 ft	612825110866

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision:	Revision Number: 0.257 Revision Date: 04-28-2020
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