

Product: [1283S3](#)

VideoFLEX® Mini Hi-Res, Banana Peel #20-3 coax, CMP



Product Description

RGB Video Coax, Plenum-CMP, 3-20 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	3

Conductor Count: 3

Insulation

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

Color Chart

Number	Color
1	Red
2	Green
3	Blue

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)	0.422 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 μ 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:	93 lbs/1000ft
Max Recommended Pulling Tension:	216 lbs
Min Bend Radius/Minor Axis:	6.5 in

Standards

NEC/(UL) Specification:	CMP
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CEC/C(UL) Specification:	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, LS0H, 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

Non-Plenum Number:	7794A
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Variants

Item #	Color	Putup Type	Length	UPC
1283S3 000250	None	Reel	250 ft	612825110828
1283S3 000500	None	Reel	500 ft	612825110835
1283S3 0001000	None	Reel	1,000 ft	612825110811

Footnote:

C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.264 Revision Date: 04-28-2020
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