

Part Number: 1282S6

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



Product Description

RGB Video Coax, Plenum-CMP, 6-25 AWG tinned copper conductors, foam FEP insulation, Duobond® foil + 95% tinned copper interlocked serve shield, inner fluorocopolymer jackets, Banana Peel construction

Technical Specifications

Product Overview

Environmental Space:	Indoor - Plenum
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

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
FPFA - Foam Perfluoroalkoxy	0.075 in

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	Aluminum Foil-Poly Tape-AluminumLightly bonded to dielectric	Duobond®	100 %
Interlocked Serve	2	TC - Tinned Copper		95 %

Inner Jacket Material

Material	Nominal Diameter
Plenum Grade PVC - Polyvinyl Chloride	0.114 in

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter
Unjacketed	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
16.8 pF/ft

Inductance

Nominal Inductance
0.087 μ 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	0.5 dB/100ft
5 MHz	1.2 dB/100ft
50 MHz	3.8 dB/100ft
100 MHz	5.2 dB/100ft
200 MHz	7.1 dB/100ft
400 MHz	10 dB/100ft
750 MHz	14.3 dB/100ft
1000 MHz	16.9 dB/100ft
2250 MHz	25.5 dB/100ft
3000 MHz	33.9 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.26 ns/ft	81 %

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:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	67 lbs/1000ft
Max Recommended Pulling Tension:	100 lbs
Min Bend Radius (Overall):	4 in
Min Bend Radius (Each Coax):	1.1 in

Standards

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

Applicable Environmental and Other Programs

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):	2006-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
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

Non-Plenum Number:	1281S6, 1280R
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Variants

Item #	Color	UPC	Length	Footnote
1282S6 0101000	Black	612825110774	1,000 ft	C
1282S6 010500	Black	612825110781	500 ft	C
1282S6 0001000	None	612825110750	1,000 ft	C
1282S6 000500	None	612825110767	500 ft	C

Footnote:	C - CRATE REEL PUT-UP.
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Product Notes

Notes:	For 1282S6 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: 0.268 Revision Date: 08-22-2019
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