


Product: [1282P](#) 

RGB Video, Mini Hi-Res, #25 Solid TC, Foil + 95% TC Braid, CMP



Product Description

Video Coax, Plenum-CMP, 1-25 AWG tinned copper conductor, FPFA insulation, Duofoil® bonded to the dielectric +95% tinned copper serve shield, Flamarrest® jacket

Technical Specifications

Product Overview

Suitable Applications:	Analog Video, Digital Video, Mini Hi-Res, video, VGA, SVGA, 825, RGB, Composite Video, ComponentVideo, Video Distribution, Graphic Displays, special effects editing, animation, post production. Home Theater, boardrooms, office, casino, church, synagogue, house of worship, teleconferencing
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
25	Solid	TC - Tinned Copper	0.018 in	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter
PFA - Perfluoroalkoxy (Foam)	0.074 in

Outer Shield Material

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

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
PVC - Polyvinyl Chloride	Flamarrest®	0.122 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
31.8 Ohm/1000ft	31.8 Ohm/1000ft		5.8 Ohm/1000ft	5.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
17 pF/ft

Inductance

Nominal Inductance
0.106 µH/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	0.4 dB/100ft
5 MHz	0.9 dB/100ft
50 MHz	3.7 dB/100ft
100 MHz	5 dB/100ft
200 MHz	7 dB/100ft
400 MHz	10 dB/100ft
700 MHz	14.5 dB/100ft
900 MHz	17 dB/100ft
1000 MHz	17.5 dB/100ft
3000 MHz	37 dB/100ft

Delay

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

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:	10 lbs/1000ft
Max Recommended Pulling Tension:	23 lbs
Min Bend Radius/Minor Axis:	1.5 in

Standards

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

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):	2006-04-01
MII Order #39 (China RoHS):	Yes

Suitability

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

Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	1281R
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Variants

Item #	Color	Putup Type	Length	UPC
1282P 0101000	Black	Reel	1,000 ft	612825110637

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.272 Revision Date: 04-28-2020
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