



Part Number: 1279P

RGB Video, Mini Hi-Res, 5 Coax 25 AWG TC, Plenum



Product Description

RGB Video Coax, 5 Coax 25 AWG solid tinned copper conductors, foam FEP insulation, Duobond® foil + 95% tinned copper interlocked serve shield, inner PVC jackets, Plenum, PVC jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor - Plenum
Suitable Applications:	RGB Projectors, LCD Projectors, Video Distribution, Component Video, Graphic Displays, Special Effects Editing, Animation, Video Post Production, Home Theater, Offices, Boardrooms, Auditoriums, Teleconferencing, Theaters

Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Coax
25	Solid	TC - Tinned Copper	0.018 in	5
Conductor Count:		5		
Conductor Size:		25 AWG		

Insulation	
Material	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	0.074 in

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
PVC - Polyvinyl Chloride	0.111 in

Outer Shield Material	
Material	
Aluminum Foil-Polyester Tape-Aluminum Foil (bonded to dielectric)	

Outer Jacket Material	
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.33 in

Electrical Characteristics

Conductor DCR		
Nominal Conductor DCR	Nominal Inner Shield DCR	Outer Conductor DCR
34 Ohm/1000ft	5.4 Ohm/1000ft	5.4 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Shield	
16.8 pF/ft	

Shielding:	Other / Specialty
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Inductance

Nominal Inductance
0.087 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	0.5 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

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:	60 lbs/1000ft
Max Recommended Pulling Tension:	83 lbs
Min Bend Radius (Overall):	3.25 in
Min Bend Radius (Each Coax):	1.1 in

Standards

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

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/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:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01

CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL Voltage Rating:	300V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	1279R
Suggested Connectors:	ADC - BNC-16; KINGS - 2065-25-9; TROMPETER - 105-2053-0; BELDEN 1B25A (BNC); BELDEN 1R25A (RCA)

Variants

Item #	Color	Footnote
1279P 0101000	BLACK	C
1279P 010250	BLACK	C
1279P 010500	BLACK	C
1279P 0081000	GRAY	C
1279P 008250	GRAY	C
1279P 008500	GRAY	C

Footnote:	C - CRATE REEL PUT-UP.
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