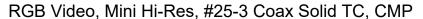


Product: <u>1277P</u> ☑





Product Description

RGB Video Coax, Plenum-CMP, 3-25 AWG solid tinned copper conductors, FPFA insulation, Duofoil® + 95% tinned copper interlocked serve shield, inner PVDF jackets, PVC jacket

Technical Specifications

Product Overview

Suitable Applications:	RGB Projectors, LCD Projectors, Video Distribution, Component Video, Graphic Displays, Special Effects Editing, Animation, Video Post Production, Home Theater, Offices,
Sultable Applications.	Boardrooms, Auditoriums, Teleconferencing, Theaters

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
25	Solid	TC - Tinned Copper	0.018 in	3
Condu	uctor Count:	3		

Insulation

Material	Nominal Diameter
PFA - Perfluoroalkoxy (Foam)	0.074 in

Color Chart

Number	Color
1	Red
2	Green
3	Blue

Inner Shield Material

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

Table Notes: Tape lightly bonded to dielectric

Inner Jacket Material

Material	Nominal Diameter
PVDF - Polyvinylidene Fluoride	0.111 in

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.276 in

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

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:	38 lbs/1000ft
Max. Pull Tension:	50 lbs
Min Bend Radius (Overall):	2.75 in
Min Bend Radius (Each Coax):	1.1 in

Standards

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

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
EU Directive 2000/53/EC (ELV):	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
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	Yes

Part Number

Non-Plenum Number:	1277R

Variants

Item #	Color	Putup Type	Length	UPC
1277P 008500	Gray	Reel	500 ft	612825110187
1277P 0081000	Gray	Reel	1,000 ft	612825110170
Footnote:			- CRATE	REEL PLIT-LIP

History

Update and Revision:	Revision Number: 0.322 Revision Date: 06-24-2020

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