Product: 1282S5 ⧉
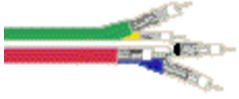
RGB Video, Mini Hi-Res, Banana Peel #25-5 Coax TC, CMP

Product Description

RGB Video Coax, Plenum-CMP, 5-25 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

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	5

Conductor Count:	5

Insulation

Material	Nominal Diameter
PFA - Perfluoroalkoxy (Foam)	0.075 in

Color Chart

Number	Color
1	Red
2	Green
3	Blue
4	Yellow
5	Black

Inner Shield Material

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

InnerShield, Table Note:	Tape lightly bonded to dielectric

Inner Jacket Material

Material	Nominal Diameter
PVC-LS - Polyvinyl Chloride (Low Smoke)	0.114 in

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter
No Jacket (Banana Peel)	0.34 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 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

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:	55 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

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
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes

Part Number

Non-Plenum Number:	1281S5, 1279R

Variants

Item #	Color	Putup Type	Length	UPC
1282S5 010250	Black	Reel	250 ft	612825110736
1282S5 010500	Black	Reel	500 ft	612825110743
1282S5 0101000	Black	Reel	1,000 ft	612825110729
1282S5 000250	None	Reel	250 ft	612825110705
1282S5 000500	None	Reel	500 ft	612825110712
1282S5 0001000	None	Reel	1,000 ft	612825110699

Footnote:	C - CRATE REEL PUT-UP.

Product Notes

Notes:	For 1282S5 010, all jackets are black and printed "RED/1", "GREEN/2", "BLUE/3", "YELLOW/4", and "BLACK/5"

History

Update and Revision:	Revision Number: 0.306 Revision Date: 04-28-2020

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable](#):
  [1282S5 0001000](#) [1282S5 0101000](#) [1282S5 010500](#) [1282S5 000500](#) [1282S5 000250](#) [1282S5 010250](#) [1282S5 000X](#)