




**Product:** [1281R](#) 

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

## Product Description

Video Coax, Riser-CMR, 1-25 AWG tinned copper conductors, foam HDPE insulation, Duofoil® bonded to the dielectric +95% tinned copper serve shield, PVC 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, digital
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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
PE - Polyethylene (Foam)	0.074 in

Table Notes:	Gas Injected
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#### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Tinned Copper (TC)		95%

#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.114 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer 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
17 pF/ft

#### Inductance

Nominal Inductance
0.106 µH/ft

#### Impedance

Nominal Characteristic Impedance
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75 Ohm
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Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-850 MHz	20 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.52 dB/100ft
5 MHz	1.17 dB/100ft
50 MHz	3.7 dB/100ft
100 MHz	4.9 dB/100ft
200 MHz	6.7 dB/100ft
400 MHz	9.5 dB/100ft
700 MHz	13.4 dB/100ft
900 MHz	15 dB/100ft
1000 MHz	15.8 dB/100ft
3000 MHz	31.2 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.24 ns/ft	80%

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:	8 lbs/1000ft
Max. Pull Tension:	23 lbs
Min Bend Radius/Minor Axis:	1.5 in

Standards

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

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
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:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2005-06-25
MII Order #39 (China RoHS):	Yes

Suitability

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

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Vertical Riser
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
1281R 0101000	Black	Reel	1,000 ft	612825110484

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.352 Revision Date: 09-30-2020
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