



**Part Number: 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**

Environmental Space:	Indoor - Riser
Suitable Applications:	Analog video, digital video, Mini Hi-Res, video, VGA, SVGA, 825, RGB, Composite Video, Component Video, Video Distribution, Graphic Displays, special effects editing, animation, post production. Home Theater, boardrooms, office, casino, church, synagogue, house of worship, teleconferencing, digital

**Physical Characteristics (Overall)**

**Conductor**

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

Conductor Count:	1
Conductor Size:	25 AWG

**Insulation**

Material	Nominal Diameter
Gas-injected FHDPE - Foam High Density Polyethylene	0.074 in

**Outer Shield Material**

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester/Aluminum	Bonded Duofoil®	100 %
Braid	2	TC - Tinned Copper		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 Recommended Pulling Tension:	23 lbs
Min Bend Radius/Minor Axis:	1.5 in

#### Standards

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

#### Applicable Environmental and Other Programs

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

#### Suitability

Suitability - Aerial:	No
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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	Footnote
1281R 0101000	Black	C

Footnote:	C - CRATE REEL PUT-UP.
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