

## 1397S5 Coax - RGB Video Cable

For more Information  
please call

1-800-Belden1

**General Description:**

Video Cable , Riser-CMR, 5-25 AWG solid bare copper, foam polyethylene insulation, Beldfoil®+95% tinned copper interlocked serve, inner PVC jackets, PVC jacket

**Usage (Overall)**

Suitable Applications: Video

**Physical Characteristics (Overall)****Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
5	25	Solid	TC - Tinned Copper	0.457

Total Number of Conductors: 5

**Insulation**

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	1.880

**Inner Shield**

Inner Shield Material:

Layer #	Type	Inner Shield Material	Coverage (%)
1	Tape	Aluminum Foil-Polyester Tape	100.000
2	Serve	TC - Tinned Copper	95.000

**Inner Jacket**

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	2.642

Inner Jacket Color Code Chart:

Number	Color
1	Gray #1
2	Gray #2
3	Gray #3
4	Gray #4
5	Gray #5

**Outer Shield**

Outer Shield Material:

Outer Shield Material
Unshielded

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
Unjacketed

**Overall Cable**

Overall Cabling Fillers: Bonded Spline

Overall Nominal Diameter:	7.137 mm
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**Mechanical Characteristics (Overall)**

Operating Temperature Range:	0°C To +60°C
Bulk Cable Weight:	68.457 Kg/Km
Max. Recommended Pulling Tension:	88.964 N
Min. Bend Radius (Each Coax):	31.750 mm
Min. Bend Radius (Overall):	76.200 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMR
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

**Flame Test**

UL Flame Test:	UL1666 Riser
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**Suitability**

Suitability - Indoor:	Yes
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
Plenum Number:	1398S5

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
75

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/m)
55.777

**Nominal Velocity of Propagation:**

VP (%)
80

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
111.554

**Nom. Inner Shield DC Resistance:**

DCR @ 20°C (Ohm/km)
17.7174

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1	1.70612
5	3.83877
50	12.1397

## 1397S5 Coax - RGB Video Cable

100	16.0769
200	21.9827
400	31.1695
750	43.9654
900	49.215
1000	51.8398
3000	102.367

## Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

## Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
1.000	850.000	15.000

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1397S5 0081000	1,000 FT	51.000 LB	GRAY		5X #25RGB COAX CMR BANANA PEEL
1397S5 008250	250 FT	14.750 LB	GRAY		5X #25RGB COAX CMR BANANA PEEL
1397S5 008500	500 FT	27.000 LB	GRAY		5X #25RGB COAX CMR BANANA PEEL

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