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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 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

## 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
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:

Voltage
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

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION

### 1397S5 Coax - RGB Video Cable

1397S5 008500	500 FT	27.000 LB	GRAY	5X #25RGB COAX CMR BANANA PEEL
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