# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



#### 1398S5 Coax - RGB Video Cable

For more Information please call

1-800-Belden1



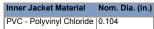
#### **General Description:**

Video Cable, Plenum-CMP, 5-25 AWG solid bare copper, foam FEP insulation, Beldfoil®+95% tinned

#### copper interlocked serve, inner Flamarrest® jackets, Flamarrest® jacket Usage (Overall) Suitable Applications: Video **Physical Characteristics (Overall)** Conductor AWG: # Coax AWG Stranding Conductor Material Dia. (in.) TC - Tinned Copper | 0.018 **Total Number of Conductors:** 5 Insulation Insulation Material: **Insulation Material** Gas-injected FEP - Foam FEP 0.074 Inner Shield Inner Shield Material: Layer # Type Inner Shield Material Coverage (%) Tape | Aluminum Foil-Polyester Tape | 100.000 Serve TC - Tinned Copper 95.000

#### **Inner Jacket**

Inner Jacket Material:



#### 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 Jacket**

Outer Jacket Material:



**Overall Cabling Fillers:** 

Min. Bend Radius (Each Coax):

Min. Bend Radius (Overall):

### **Overall Cable**

Me

	Overall Nominal Diameter:	0.275 in.
/le	chanical Characteristics (Overall)	
	Operating Temperature Range:	0°C To +60°C
	Bulk Cable Weight:	46 lbs/1000 ft.
	Max. Recommended Pulling Tension:	20 lbs.

Bonded Spline

1.250 in.

3 in

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pliance (Overall)
CMP
CMP
Yes
NFPA 262 Plenum Flame Test (UL910)(FT6)
Yes
Yes
1397S5

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft) 17.0

Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 5.4

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.52
5	1.17
50	3.7
100	4.9
200	6.7
400	9.5
750	13.4
900	15.0
1000	15.8
3000	31.2

Max. Operating Voltage - UL:

Voltage 300 V RMS

Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
1.000	1000.000	15.000

# **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1398S5 0081000	1,000 FT	51.000 LB	GRAY		5X #25RGB COAX CMP BANANA PEEL
1398S5 008250	250 FT	14.750 LB	GRAY		5X #25RGB COAX CMP BANANA PEEL

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#### 1398S5 Coax - RGB Video Cable

1398S5 008500	500 FT	27.000 LB	GRAY	5X #25RGB COAX CMP BANANA PEEL

Revision Number: 2 Revision Date: 03-11-2013

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