

## HC2658R Coax - Precision Video Cable for Analog and Digital

For more Information  
please call

1-800-Belden1



## Description:

## Usage (Overall)

## 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:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	25.0	Solid	TC - Tinned Copper	.018

## Insulation

## Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.074

## Outer Shield

## Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Light Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

## Outer Jacket

## Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

## Overall Cable

Overall Nominal Diameter: 0.114 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 13.600 lbs/1000 ft.

Max. Recommended Pulling Tension: 23 lbs.

Min. Bend Radius (Install)/Minor Axis: 1.500 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

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EU RoHS Compliance Date (mm/dd/yyyy):	08/10/2006
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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**Flame Test**

UL Flame Test:	UL1666 Vertical Riser
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**Suitability**

Suitability - Indoor:	Yes
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Suitability - Outdoor:	No
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Suitability - Aerial:	No
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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75
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**Nom. Inductance:**

Inductance (μH/ft)
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.106
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
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17.0
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**Nominal Velocity of Propagation:**

VP (%)
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80
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**Nominal Delay:**

Delay (ns/ft)
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1.24
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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34.0
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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5.4
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**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
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Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.52
5	1.17
50	3.7
100	4.9
200	6.7
400	9.5
700	13.4
900	15.0
1000	15.8
3000	31.2

**Max. Operating Voltage - UL:**

Voltage
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300 V RMS
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**Other Electrical Characteristic 1:** Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 Ohm fixed bridge and termination. 75 +/- 3 Ohms

**Other Electrical Characteristic 2:** Return Loss tested in accordance with ASTM D-4566 paragraph 45.3, using a 75 Ohm fixed bridge and termination.

**Sweep Test**

**Sweep Testing:** 100% Sweep tested 5 MHz to 850 MHz.

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
HC2658R 0101000	1,000 FT	11.000 LB	BLACK		#25 LDPE/GIFHDLPE SH PVC
HC2658R 010500	500 FT	4.000 LB	BLACK		#25 LDPE/GIFHDLPE SH PVC

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