

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

For more Information  
please call

1-800-Belden1



## General 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. (mm)
1	25.0	Solid	TC - Tinned Copper	0.4572

Total Number of Conductors: 1

## Insulation

## Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	1.8796

## 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: 2.896 mm

## 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:	20.240 Kg/Km
Max. Recommended Pulling Tension:	102.309 N
Min. Bend Radius/Minor Axis:	38.100 mm

## 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

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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/m)
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0.347786
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/m)
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55.777
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**Nominal Velocity of Propagation:**

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

Delay (ns/m)
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4.06844
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
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111.554
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)
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17.7174
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**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
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1	1.70612
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5	3.83877
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50	12.1397
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100	16.0769
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200	21.9827
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400	31.1695
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700	43.9654
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900	49.215
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1000	51.8398
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3000	102.367
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**Max. Operating Voltage - UL:**

Voltage
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**HC2658R Coax - Precision Video Cable for Analog and Digital**

300 V RMS

**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.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
HC2658R 0101000	305 MT	4.990 KG	BLACK		#25 LDPE/GIFHDLPE SH PVC
HC2658R 010500	152 MT	1.814 KG	BLACK		#25 LDPE/GIFHDLPE SH PVC

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