

**Part Number: 1371R**

Serial Digital Coax, Sub-miniature, #23 Solid BC, Foil + 85% TC Braid, CMP



## Product Description

Video Cable, Riser-CMR, sub-miniature RG59, 23 AWG solid bare copper, foam polyethylene insulation, Duofoil®; 85% tinned copper braid, PVC jacket

## Technical Specifications

### Product Overview

Environmental Space:	Indoor - Riser
----------------------	----------------

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
23	Solid	BC - Bare Copper	0.023 in	1

Conductor Count:	1
Conductor Size:	23 AWG

#### Insulation

Material	Nominal Diameter
Gas-injected FHDPE - Foam High Density Polyethylene	0.102 in

#### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester/Aluminum	Duobond® II	100 %
Braid	2	TC - Tinned Copper		85 %

#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.16 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
20.1 Ohm/1000ft	20.1 Ohm/1000ft	4.6 Ohm/1000ft	4.6 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
16.3 pF/ft

Shielding:	Multiple or Specialty
------------	-----------------------

#### Inductance

Nominal Inductance
0.106 µH/ft

#### Impedance

Nominal Characteristic Impedance
75 Ohm

#### Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-3000 MHz	15 dB

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.39 dB/100ft
3.58 MHz	0.78 dB/100ft
5 MHz	0.92 dB/100ft
6 MHz	1 dB/100ft
7 MHz	1.08 dB/100ft
10 MHz	1.2 dB/100ft
12 MHz	1.3 dB/100ft
25 MHz	1.8 dB/100ft
67.5 MHz	2.83 dB/100ft
71.5 MHz	3.06 dB/100ft
88.5 MHz	3.16 dB/100ft
100 MHz	3.33 dB/100ft
135 MHz	3.81 dB/100ft
143 MHz	3.92 dB/100ft
180 MHz	4.38 dB/100ft
270 MHz	5.4 dB/100ft
360 MHz	6.2 dB/100ft
540 MHz	7.7 dB/100ft
720 MHz	9.47 dB/100ft
750 MHz	9.59 dB/100ft
1000 MHz	10.5 dB/100ft
1500 MHz	13 dB/100ft
2000 MHz	15.1 dB/100ft
2250 MHz	16 dB/100ft
3000 MHz	18.5 dB/100ft

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.24 ns/ft	82 %

#### Voltage

UL Voltage Rating
300 V RMS

#### Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-30°C To +75°C

#### Mechanical Characteristics

Bulk Cable Weight:	15.5 lbs/1000ft
Max Recommended Pulling Tension:	36 lbs
Min Bend Radius/Minor Axis:	1.5 in

#### Standards

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMR
RG Type:	Mini 59/U Type
RG / Series Type:	Mini 59/U Type

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2011-11-21
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1371P

## Part Number

### Variants

Item #	Color
1371R 0101000	Black
1371R 010500	Black
1371R 0061000	Blue, Light
1371R 006500	Blue, Light
1371R 0011000	Brown
1371R 001500	Brown
1371R 0081000	Gray
1371R 008500	Gray
1371R N3U1000	Green, Mil
1371R N3U500	Green, Mil
1371R 0031000	Orange
1371R 003500	Orange
1371R 0021000	Red
1371R 002500	Red
1371R 0071000	Violet
1371R 007500	Violet
1371R 0091000	White
1371R 009500	White
1371R 0041000	Yellow
1371R 004500	Yellow

© 2018 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.