



For more Information  
please call

1-800-Belden1



### Description:

RG-58 type, 19 AWG solid .037" bare copper conductor, gas-injected foam HDPE insulation, Duofoil® (100% coverage) + tinned copper braid shield (90% coverage), polyethylene jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	19	Solid	BC - Bare Copper	0.9398

#### Insulation

##### Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	2.794

#### Outer Shield

##### Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	90

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

#### Overall Cabling

Overall Nominal Diameter: 4.953 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
Non-UL Temperature Rating:	80°C
Bulk Cable Weight:	32.740 Kg/Km
Max. Recommended Pulling Tension:	177.928 N
Min. Bend Radius (Install)/Minor Axis:	48.260 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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
-----------------------------	-----

RG Type:	58/U
----------	------

Series Type:	RF 195
--------------	--------

**Suitability**

Suitability - Outdoor:	Yes
------------------------	-----

Suitability - Aerial:	Yes - When supported by a messenger
-----------------------	-------------------------------------

Suitability - Burial:	Yes
-----------------------	-----

**Plenum/Non-Plenum**

Plenum (Y/N):	No
---------------	----

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
-----------------

50
----

**Nom. Inductance:**

Inductance (µH/m)
-------------------

0.209984
----------

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/m)
--------------------

79.7283
---------

**Nominal Velocity of Propagation:**

VP (%)
--------

77
----

**Nominal Delay:**

Delay (ns/m)
--------------

4.16687
---------

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
---------------------

24.9356
---------

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)
---------------------

13.7802
---------

**Maximum VSWR:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Max. VSWR
		5	6000	1.25:1

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
30	6.562
50	8.2025
150	13.124
220	16.0769
450	23.2951
900	33.7943
1500	44.9497
1800	49.8712
2000	52.8241
2500	60.0423
3000	67.2605
4500	86.9465
5800	102.367
6000	104.992

**Max. Power Rating:**

Freq. (MHz) Rating (W)
------------------------

30	890
50	694
150	403
220	336
450	231
900	162
1500	124
1800	113
2000	107
2500	95
3000	87
3500	80
4500	70
5800	62
6000	61

**Max. Operating Voltage - Non-UL:**

<b>Voltage</b>
300 V RMS

**Sweep Test**

**Sweep Testing:** 100% Sweep tested to 6 GHz

**Notes (Overall)**

**Notes:** Belden® The Wire in Wireless®

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7806A 0101000	305 MT	10.433 KG	BLACK	C	RF195 WIRELESS 50 OHM COAX PE
7806A 010500	152 MT	6.577 KG	BLACK	C	RF195 WIRELESS 50 OHM COAX PE

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 4    Revision Date: 09-30-2009

© 2011 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.