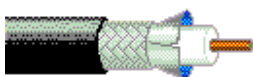


## 7806A Coax - RG-58 Type

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

Total Number of Conductors: 1

**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 Cable**

Overall Nominal Diameter: 4.953 mm

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +80°C
Non-UL Temperature Rating:	80°C
Bulk Cable Weight:	34.229 Kg/Km
Max. Recommended Pulling Tension:	177.928 N
Min. Bend Radius/Minor Axis:	50.800 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
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MII Order #39 (China RoHS):	Yes
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RG Type:	58/U
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Series Type:	RF 195
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**Suitability**

Suitability - Outdoor:	Yes
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Suitability - Burial:	Yes
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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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50
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**Nom. Inductance:**

Inductance (µH/m)
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0.209984
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/m)
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79.7283
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**Nominal Velocity of Propagation:**

VP (%)
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77
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**Nominal Delay:**

Delay (ns/m)
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4.16687
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
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24.9356
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)
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13.7802
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**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)
5.000	2.461
10.000	3.281
30.000	6.562
50.000	8.203
150.000	13.124
220.000	16.077
450.000	23.295
900.000	33.794
1500.000	44.950
1800.000	49.871
2000.000	52.824
2500.000	60.042
3000.000	67.261
4500.000	86.947
5800.000	102.367
6000.000	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:**

Voltage
300 V RMS

**Sweep Test**

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

**Notes (Overall)**

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

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7806A 0101000	305 MT	11.340 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: 5    Revision Date: 08-13-2012

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