

7806A Coax - RG-58 Type

		<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
---	--	---

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:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	58/U
Series Type	RF 195
AWG	19
Stranding	Solid
Conductor Diameter	.037 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	Gas-injected FHDPE - Foam High Density Polyethylene
Insulation Diameter	.110 in.

OUTER SHIELD:

Outer Shield Material Trade Name	Duofoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

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

Outer Shield % Coverage	100 %
-------------------------	-------

OUTER JACKET:

Outer Jacket Material	PE - Polyethylene
-----------------------	-------------------

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.195 in.
--------------------------	----------

MECHANICAL CHARACTERISTICS:

7806A Coax - RG-58 Type

Operating Temperature Range	-40°C To +75°C
Non-UL Temperature Rating	80°C
Bulk Cable Weight	22 lbs/1000 ft.
Max. Recommended Pulling Tension	40 lbs.
Min. Bend Radius (Install)	1.9 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

SWEEP TEST:

Sweep Testing	100% Sweep tested to 6 GHz
---------------	----------------------------

SUITABILITY:

Suitability - Outdoor	Yes
Suitability - Aerial	Yes - When supported by a messenger
Suitability - Burial	Yes
Suggested Connectors	Mates with standard RG-58 connectors

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
--------------	---

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	.064 µH/ft
Nom. Capacitance Conductor to Shield	24.3 pF/ft
Nominal Velocity of Propagation	77 %
Nominal Delay	1.27 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	7.6 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	4.2 Ohms/1000 ft

Maximum VSWR :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Maximum VSWR
		5	6000	1.25:1

Nom. Attenuation :

7806A Coax - RG-58 Type

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	30			2.0
	50			2.5
	150			4.0
	220			4.9
	450			7.1
	900			10.3
	1500			13.7
	1800			15.2
	2000			16.1
	2500			18.3
	3000			20.5
	4500			26.5
	5800			31.2
	6000			32.0

Max. Power Rating :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Power 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

300 V RMS

NOTES:

Notes

Belden® The Wire in Wireless®

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
7806A 0101000	RF195 WIRELESS 50 OHM COAX PE	1000	26	BLACK	C
7806A 010500	RF195 WIRELESS 50 OHM COAX PE	500	14.5	BLACK	C



7806A Coax - RG-58 Type

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 07-08-2005

© 2005 Belden Wire & Cable Company
All Rights Reserved.

Although Belden Electronics Division ("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 CDT Electronics Division believes this product to be in compliance with the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs.(San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003);Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). 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 the 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.