

7807A Coax - RG-58 Type



For more Information
please call

1-800-Belden1



Description:

RG-58 type, 17 AWG solid .044" bare copper conductor, gas-injected foam HDPE insulation, Duofoil® (100% coverage) + tinned copper braid shield (95% coverage), polyethylene jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	17	Solid	BC - Bare Copper	.044

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.116

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	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

Overall Cable

Overall Nominal Diameter: 0.195 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 26 lbs/1000 ft.

Max. Recommended Pulling Tension: 25.400 lbs.

Min. Bend Radius (Install)/Minor Axis: 1.900 in.

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 200

Suitability

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

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/ft)

.061

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

23.5

Nominal Velocity of Propagation:

VP (%)

85

Nominal Delay:

Delay (ns/ft)

1.19

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.3

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.2

Maximum VSWR:

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

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
30	1.6
50	2.1
150	3.7
220	4.5
450	6.5
900	9.2
1500	12.0
1800	13.2
2000	14.0
2500	15.7
3000	17.5
4500	22.0
5800	25.2
6000	26.0

Max. Power Rating:

Freq. (MHz) Rating (W)

30	1070
50	813
150	450
220	372
450	256
900	178
1500	136
1800	123
2000	117
2500	104
3000	94
3500	87
4500	76
5800	67
6000	66

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®

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7807A 0101000	1,000 FT	26.000 LB	BLACK	C	RF200 WIRELESS 50 OHM COAX PE
7807A 010500	500 FT	15.000 LB	BLACK	C	RF200 WIRELESS 50 OHM COAX PE

Notes:
C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-30-2009

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