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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. (mm)
1	17	Solid	BC - Bare Copper	1.1176

### Insulation

#### Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	2.9464

### 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 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: 38.693 Kg/Km

Max. Recommended Pulling Tension: 112.984 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 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/m)

0.200141

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

77.1035

### Nominal Velocity of Propagation:

VP (%)

85

### Nominal Delay:

Delay (ns/m)

3.90439

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

10.8273

### 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	5.2496
50	6.8901
150	12.1397
220	14.7645
450	21.3265
900	30.1852
1500	39.372
1800	43.3092
2000	45.934
2500	51.5117
3000	57.4175
4500	72.182
5800	82.6812
6000	85.306

### 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:**

<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
7807A 0101000	305 MT	10.886 KG	BLACK	C	RF200 WIRELESS 50 OHM COAX PE
7807A 010500	152 MT	6.804 KG	BLACK	C	RF200 WIRELESS 50 OHM COAX PE

**Notes:**  
C = CRATE REEL PUT-UP.

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С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Конкуренспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
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- Работу по проектам и поставку образцов.
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- Входной контроль качества.
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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)