



**Product:** [8216](#)

50 Ohm Wireless Transmission Coax, RG-174, 26 AWG Str BCCS, 90% TC Braid, PVC Jkt

### Product Description

50 Ohm Wireless Transmission Coax, RG-174, 26 AWG (7x34) Bare Copper Covered Steel Conductor , PE Insulation, 90% Tinned Copper Braid Shield, PVC Jacket

### Technical Specifications

#### Product Overview

Suitable Applications:	Point-to-point and point-to-multipoint wireless antenna communication; Wireless microphones, Two-Way Radios, Amateur (Ham) Radio, Low Power FM, GPS, RFID (Radio Frequency Identification)
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#### Construction Details

RG Type:	174
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#### Conductor

AWG	Stranding	Nom. Diameter	Material
26	7x34	0.019 in	BCCS - Bare Copper Covered Steel

#### Insulation

Material	Nom. Diameter
PE - Polyethylene	0.060 in

#### Outer Shield Material

Outer Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	90%

#### Outer Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.110 in

#### Electrical Characteristics

#### Attenuation

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	1.9 dB/100ft
10 MHz	3.3 dB/100ft
50 MHz	5.8 dB/100ft
100 MHz	8.4 dB/100ft
200 MHz	12.5 dB/100ft
400 MHz	19.0 dB/100ft
700 MHz	27.0 dB/100ft
900 MHz	31.0 dB/100ft
1000 MHz	34.0 dB/100ft

#### Power Rating

Frequency [MHz]	Max. Power Rating [W]
1 MHz	976 W
10 MHz	354 W

50 MHz	197 W
100 MHz	161 W
200 MHz	136 W
400 MHz	120 W
700 MHz	112 W
900 MHz	109 W
1,000 MHz	108 W

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedence	Nom. Velocity
97 Ohm/1000ft	10.7 Ohm/1000ft	30.8 pF/ft	50 Ohm	66%

#### Voltage

UL Voltage Rating	Non-UL Voltage Rating
30 V (UL AWM 1354)	1100 V

## Mechanical Characteristics

#### Temperature

UL Rating	Operating
60°C (UL AWM 1354)	-30°C to +75°C

#### Bend Radius

Installation Min.
1.1 in

Bulk Cable Weight:	8 lbs/1000ft
Max. Pull Tension:	20 lbs

## Standards and Compliance

Environmental Suitability:	Outdoor - Aerial, Indoor
Sustainability:	CA Prop 65
AWM Compliance:	1354
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.348 Revision Date: 09-30-2020
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