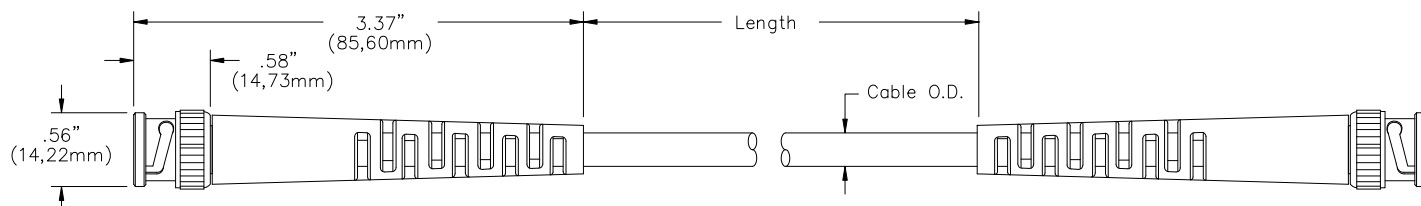


**Model 2249**  
**Cable Assembly with BNC (M) on Each End**

## Features

- The molded strain relief is directly bonded to the cable jacket for superior strength and durability.
- PTFE insulation and nickel tarnish resistant outer shells used in the BNC connector provide long life and reliability.
- Gold-plated center contacts assure the most noise free connection possible.
- The connectors and cable are impedance matched.



## Cable Designation & Type

- 2249-C:** RG58C/U, 50 Ohm cable makes it ideal for most test and measurement applications, RF transmission systems and Thinnet LAN applications.
- 2249-E:** RG59B/U, 75 Ohm cable assembly for use with broadcast, video, and other signal applications.
- 2249-K:** RG174/U, smaller diameter 50 Ohm cable for greater flexibility in tight applications. It is best suited for use in low power situations where small size and flexibility is important.
- 2249-Y:** RG223/U, double-shielded 50 Ohm cable assembly for superior interference rejection.

## Materials

BNC male: Body – Brass, Tarnish Resistant Nickel Plating  
Center Contact – Brass, Gold Plated  
Dielectric – PTFE

Strain Relief: PVC molded directly to cable and connectors

**USA:** Sales: 800-490-2361  
Technical Support: [technicalsupport@pomonatest.com](mailto:technicalsupport@pomonatest.com)  
Fax: 425-446-5844

**Europe:** 31-(0) 40 2675 150 **International:** 425-446-5500  
**Where to Buy:** [www.pomonaelectronics.com](http://www.pomonaelectronics.com)

All dimensions are in inches. Tolerances (except noted): .xx =  $\pm 0.02$ " (.51 mm),  
.xxx =  $\pm 0.005$ " (.127 mm). All specifications are to the latest revisions.  
Specifications are subject to change without notice. Registered trademarks are  
the property of their respective companies.

**Model 2249**  
**Cable Assembly with BNC (M) on Each End**



**Ratings**

Cable Designation	Type	Impedance ohms	Capacitance per 1 foot / 0,304 meters	Power Loss /100 Ft @ 1 MHz	Insulation	AWG	Center Strands X AWG	Wire Type	Jacket Material	Cable OD	Shield	Temperature (w/o connectors) °C
C	RG58C/U	50	32.2 pf	0.44 dB	PE	20	19X33	TC	PVCNC	.195	TCB	-40 to +85
E	RG59B/U	75	22.0 pf	0.60 dB	PE	23	Solid	BCCS	PVCNC	.242	BCB	-40 to +60
K	RG174/U	50	30.8 pf	1.90 dB	PE	26	7X34	BCCS	PVC	.110	TCB	-40 to +75
Y	RG223/U	50	30.8 pf	0.35 dB	PE	19	Solid	SPC	PVCNC	.212	SCB / SCB	-40 to +60

AWG = American Wire Gauge  
 BCB = Bare Copper Braid  
 BCCS = Bare Copper Covered Steel  
 PE = Polyethylene  
 PVC = Polyvinyl Chloride  
 PVCNC = Polyvinyl Chloride Non-Contaminating  
 SCB = Silver Coated Braid  
 SPC = Silver Plated Copper  
 SSPE = Semi-Solid Polyethylene  
 TC = Tinned Copper  
 TCB = Tinned Copper Braid

**Voltage:** 500 Vrms max from center conductor to shield, and 30 Vac / 60 Vdc max from shield to earth in controlled hands-free testing environments.  
 For CE compliance: not intended for hand-held use at voltages above 30 Vac / 60 Vdc.

**Ordering Information**

Model: 2249-type-length\*  
 Cable type: C, E, K, Y (see table for details)

Ordering Example: 2249-C-72, type "C" cable with a 72" (182,9cm) length.

Length (inches)	Length Tolerance
6 to 24	+/- .50"
36 to 48	+/- 1.00"
*60+	+/- 2%

\*Additional lengths greater than 60" length are subject to a tolerance of +/- 2% of cable length.

Cable Length for "C" Type\*:

6" (15,24cm), 12" (30,5cm), 24" (61,0cm), 36" (91,4cm), 48" (121,9cm), 60" (152,4cm), 72" (182,9cm), 96" (243,84cm), 120" (304,8cm), 144" (365,76cm), 180" (457,2cm), 240" (609,6cm), 300" (762cm), 360" (914,4cm), 600" (1524cm)

Cable Length for "E" Type\*:

6" (15,24cm), 12" (30,5cm), 24" (61,0cm), 36" (91,4cm), 48" (121,9cm), 60" (152,4cm), 72" (182,9cm), 120" (304,8cm), 144" (365,76cm), 180" (457,2cm), 240" (609,6cm), 300" (762cm), 360" (914,4cm), 480" (1219cm), 600" (1524cm)

Cable Length for "K" Type\*:

6" (15,24cm), 12" (30,5cm), 24" (61,0cm), 36" (91,4cm), 48" (121,9cm), 60" (152,4cm), 72" (182,9cm), 120" (304,8cm), 180" (457,2cm), 240" (609,6cm), 300" (762cm), 480" (1219cm)

Cable Length for "Y" Type\*:

12" (30,5cm), 24" (61,0cm), 36" (91,4cm), 48" (121,9cm), 60" (152,4cm), 72" (182,9cm), 120" (304,8cm), 144" (365,76cm), 180" (457,2cm), 240" (609,6cm)

\* Additional lengths are available upon request.

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