



**FEATURES:**

- ✓ The molded strain relief is directly bonded to the cable jacket for superior strength and durability.
- ✓ Teflon 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.

**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

All dimensions are in inches. Tolerances (except noted): .xx = ±.02" (.51 mm), .xxx = ±.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.

Sales: 800-490-2361 Fax: 425-446-5844 Technical Support: technicalsupport@pomonatest.com  
 For "Where to Buy" information, visit the Pomona web site at [www.pomonaelectronics.com](http://www.pomonaelectronics.com)

Voltage: 500 Vrms max from center conductor to shield and 33 Vac / 70 Vdc max from shield to earth in controlled hands free testing environments. *For CE compliance:* not intended for hand-held use at voltage above 33 Vrms / 70 Vdc.

**MATERIALS:**

*BNC Male:*

Body: Brass, Tarnish Resistant Nickel Plating

Dielectric: PTFE

Center Contact: Gold Plated Brass

*Strain Relief:*

PVC molded directly to cable and connectors

**ORDERING INFORMATION: Model 2249-type-length\***

Cable Type: C, E, K, Y. (see table for detail).

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),

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

\* Additional lengths are available upon request

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