



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

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



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

All dimensions are in inches. Tolerances (except noted): .xx = ± 0.02 " (.51 mm), .xxx = ± 0.005 " (.127 mm).

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