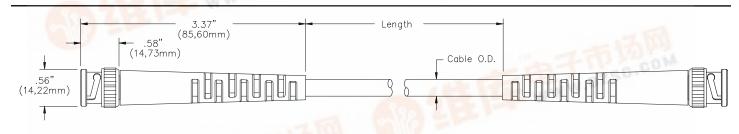


Model 2249 **Cable Assembly with BNC** Male on Each End CE



FEATURES:

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

CABLE DESIGNATION & TYPE:

- RG58C/U, 50 ohm cable makes it ideal for most test and measurement applications, RF 2249-C: transmission systems and Thinnet LAN applications.
- RG59B/U, 75 ohm cable assembly for use with broadcast, video, and other signal 2249-E: 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.
- RG223/U, double shielded 50 ohm cable assembly for superior interference rejection. 2249-Y: W.DZSC.COM

| Cable Designation | Туре | Impedance ohms | Capacitance per 1 foot / 0,304 meters | Power Loss /100 Ft @ 1 MHz | | <mark>AW</mark> G | Center Strands X AWG | Wire Type | Jacket Material | Cable OD | Shield | Temperature (w/o connectors) ℃ |
|---|---------|-------------------|---|----------------------------------|----|-------------------|--|--------------|--------------------|-------------|-----------|--------------------------------------|
| С | RG58C/U | 50 | 32.2 pf | 0.44 dB | PE | 20 | 19X33 | TC | PVCNC | .195 | ТСВ | -40 to +85 |
| Е | RG59B/U | 75 | 22.0 pf | 0.60 dB | PE | 23 | Solid | BCCS | PVCNC | .242 | BCB | -40 to +60 |
| К | RG174/U | 50 | 30.8 pf | 1.90 dB | PE | 26 | 7X34 | BCCS | PVC | .110 | TCB | -40 to +75 |
| Υ | 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 | | | | | |

RATINGS:

dzsc.com

All dimensions are in inches. Tolerances (except noted): $xx = \pm .02$ " (,51 mm), $xxx = \pm .005$ " (,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

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

All dimensions are in inches. Tolerances (except noted): $.xx = \pm .02^{\circ}$ (,51 mm), $.xxx = \pm .005^{\circ}$ (,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.