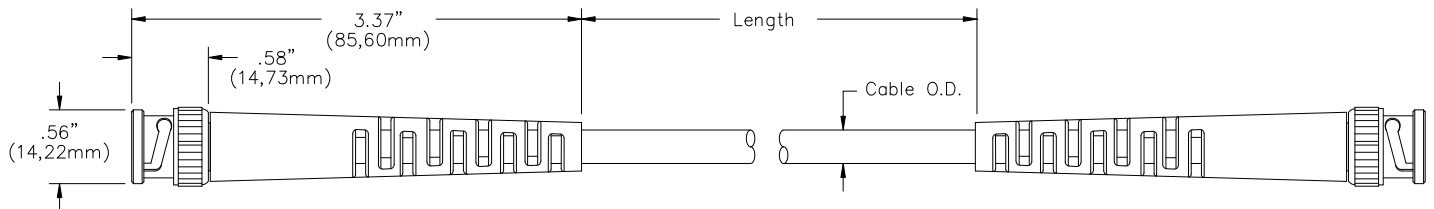


Model 2249
Cable Assembly with BNC (M) on Each End

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
Fax: 425-446-5844

Europe: 31-(0) 40 2675 150 **International:** 425-446-5500

Where to Buy: www.pomonaelectronics.com

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