![Chipsmall logo]

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
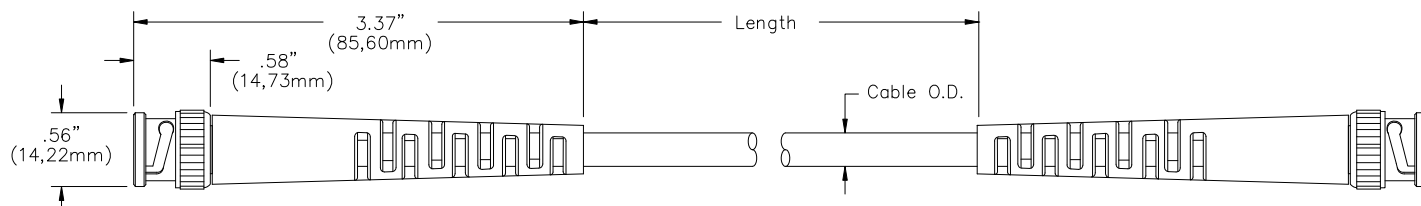


## Contact us

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



3.37" (85,60mm)
.58" (14,73mm)
.56" (14,22mm)
Length
Cable O.D.

## 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

## 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.