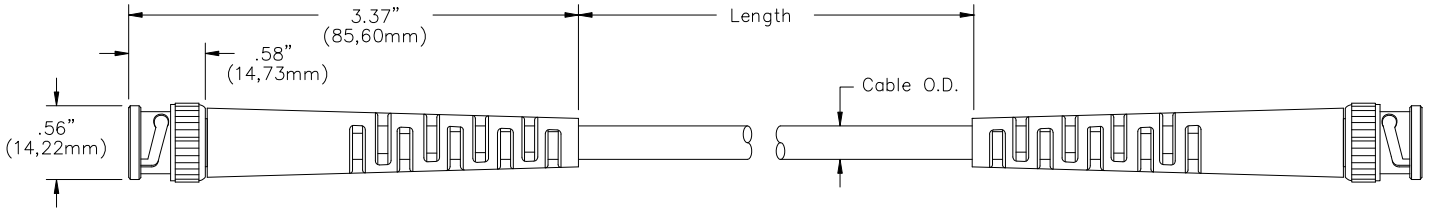
Pomona ELECTRONICS

Technical Data Sheet

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

CE





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 = ±.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.

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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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