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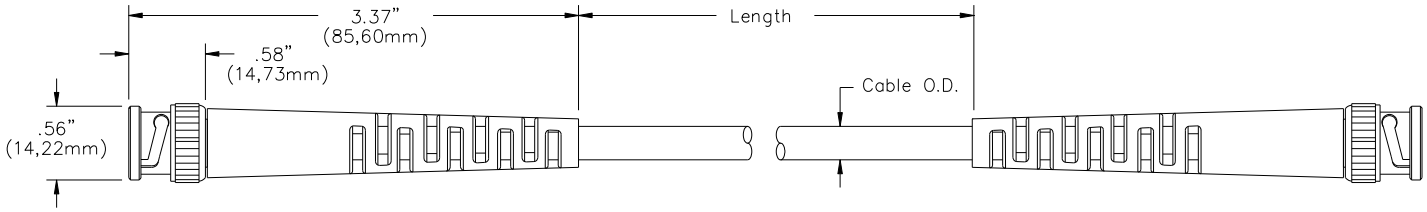
Pomona ELECTRONICS

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.
- ✓ 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-M: RG62A/U, 93 ohm cable, use when higher impedance, > 75 ohms is required.

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	30.8 pf	0.44 dB	PE	20	19X36	TC	PVCNC	.195	TCB	-40 to +85
E	RG59B/U	75	22.5 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
M	RG62A/U	93	13.5 pf	0.25 dB	SSPE	22	Solid	BCCS	PVCNC	.242	BCB / BCB	0 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

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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, M, Y. (see table for detail).

Cable Length*: 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” (6096cm), 300” (762cm), 360” (914,4cm), 600” (1524cm).

Ordering Example: 2249-C-72 (type “C” cable with a 72” (182,9cm) length)

***** Custom lengths are available, contact Pomona Technical Support: 800-241-2060 (technicalsupport@pomonatest.com)

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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.
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