

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)

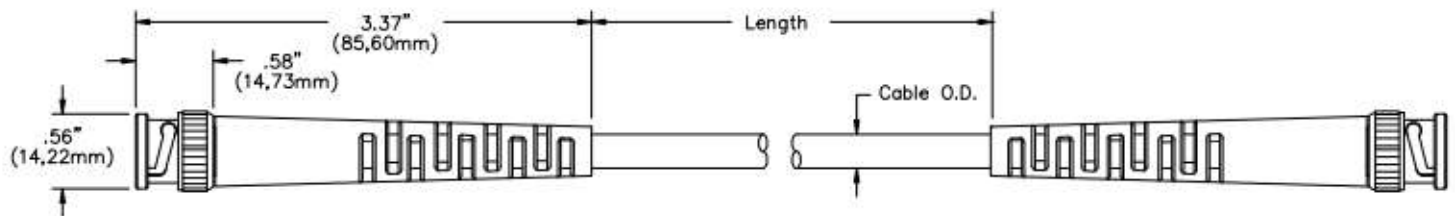
Cable Length for "K" Type*:

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.



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