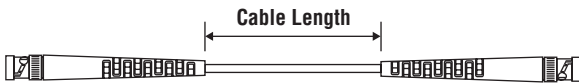


Coaxial Cable Assemblies and Breakouts

Pomona is the professional's choice, whether in the lab, plant or in the field. Using high-quality materials such as beryllium copper, gold and nickel plating ensures the precision you rely on. With a huge selection of cables and breakouts offering almost every connector and clip combination, Pomona provides you the solution for any application.

How to Order

Example: A 48in (1.2m) coaxial cable assembly with matching BNC (m) ends, stress relief boots on RG58 C/U, 50Ω cable.



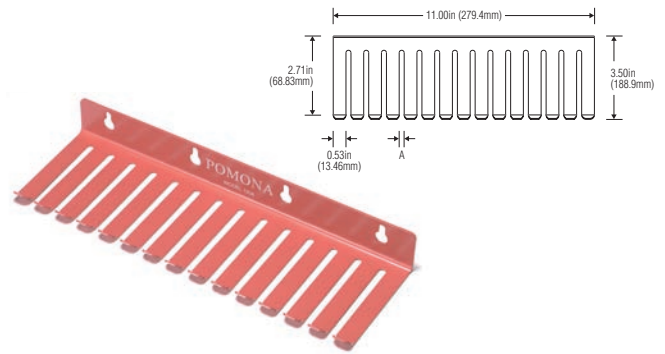
Typical Pomona Part Number: 2249-C-48

Cable Type _____
Cable Length in Inches
(Measured Inside Connectors)

Model#	Length
2249-C-12	12.0in (0.3m)
2249-C-24	24.0in (0.6m)
2249-C-36	36.0in (0.9m)
2249-C-48	48.0in (1.2m)
2249-C-60	60.0in (1.5m)

Cable Assembly Holders

Model#	Color	"A" Max Cable Dia.	Number of Slots
1508	Orange	0.210in (5.33mm)	14
4408	Black	0.320in (8.13mm)	10
2708	Blue	0.450in (11.43mm)	9



Technical Specifications for Wire and Cable

Cable Designation	Type	Impedance Ω	Capacitance per 1ft/ 0.304m	Insulation/ Dielectric	AWG	Stranding Strands X AWG	Wire Type	Jacket Material	Cable O.D.	Shield	Temperature (w/o connectors)
A	twisted pair, 2 conductor	NA	27.0 pf	PVC	18	65X36	TC	PVC	0.25in (6.35mm)	NA	-4 to 221°F (-20 to +105°C)
C	Coax, RG58C/U	50	32.2 pf	PE	20	19X33	TC	PVCNC	0.195in (4.95mm)	TCB	-40 to 185°F (-40 to +85°C)
E	Coax, RG59B/U	75	22.0 pf	PE	23	Solid	BCCS	PVCNC	0.242in (6.15mm)	BCB	-40 to 140°F (-40 to +60°C)
J	Microphone, 2 conductor, shielded	90	18 / 32 pf*	PE	22	16X34	TC	PVC	0.231in (5.84mm)	TCB	-40 to 176°F (-40 to +80°C)
K	Coax, RG174/U	50	30.8 pf	PE	26	7X34	BCCS	PVC	0.110in (2.79mm)	TCB	-40 to 167°F (-40 to +75°C)
T	Coax, RG214/U	50	30.8 pf	PE	13	7X22	SPC	PVCNC	0.425in (10.8mm)	SCCB/SCCB	-40 to 176°F (-40 to +80°C)
X	Coax, RG142B/U	50	29.0 pf	TFE	18	Solid	SPCCS	FEP	0.195in (4.05mm)	SPC/SPC	-94 to 392°F (-70 to +200°C)
Y	Coax, RG223/U	50	30.8 pf	PE	19	Solid	SPC	PVCNC	0.212in (5.38mm)	SCB/SCB	-40 to 140°F (-40 to +60°C)
BB	Coax, RG316/U	50	29.0 pf	TFE	26	7X37	SPCCS	FEP	0.096in (2.44mm)	SPC	-94 to 392°F (-70 to +200°C)
SS	Coax, RG58/U, low noise	50	37.0 pf	CPE / PE	22	7X30	TC	PVC	0.195in (4.95mm)	BAF/TCB	-40 to 176°F (-40 to +80°C)
UU	Coax, RG178B/U	50	29.0 pf	PTFE	16	7X.1	SPCCS	FEP	0.071in (1.8mm)	SPC	-67 to 311°F (-55 to +155°C)
V	Coax, RG59/U	75	20.4 pf	PE	23	Solid	BCCS	PVC	0.242in (6.15mm)	BCB	-40 to 176°F (-40 to +80°C)
VV	Coax, RG179B/U	75	19.5 pf	PTFE	12	7X.1	SPCCS	FEP	0.100in (2.54mm)	SPC	-67 to 311°F (-55 to +155°C)
Triaxial	Coax, RG 58A/U, double shielded	50	30.8 pf	PE / PE	20	7X28	TC	PVC	0.240in (6.10mm)	TCB / TCB-40	to 167°F (-40 to +75°C)

* Capacitance between conductors / Capacitance between conductor and shield

AWG = American Wire Gauge
BAF = Bonded Aluminum Foil Polyester Tape
BCB = Bare Copper Braid
BCCS = Bare Copper Covered Steel
CPE = Conductive Polyethylene

FEP = Fluorinated Ethylene Propylene
OD = Outside Diameter
NA = Not Applicable
PE = Polyethylene
PVC = Polyvinyl Chloride

PVCNC = Polyvinyl Chloride Non Contaminating
SCB = Silver Coated Braid
SPC = Silver Plated Copper
SCCB = Silver Coated Copper Braid
SPCCS = Silver Plated Copper Covered Steel

SSPE = Semi-Solid Polyethylene
TC = Tinned Copper
TCB = Tinned Copper Braid
TFE = Tetrafluoroethylene

Coaxial Cable Assemblies and Breakouts

BNC Male Cable with Molded Strain Relief



Rating: Maximum voltage for *hands free use*: 500 Vrms*, +122°F (+50°C) max., ("Y" Cable 176°F (+80°C).)

BNC: Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

Strain Relief: PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

Length	50Ω Cable O.D. .195in (4.95mm) RG58C/U	50Ω Cable O.D. .206in (5.23mm) RG223	75Ω Cable O.D. .242in (6.15mm) RG59B/U	50Ω Cable O.D. .100in (2.54mm) RG174/U	50Ω Cable O.D. .195in 4.95mm) RG58C/U
.5ft (0.2m)	2249-C-6	–	2249-E-6	2249-K-6	–
1ft (0.3m)	2249-C-12	2249-Y-12	2249-E-12	2249-K-12	–
2ft (0.6m)	2249-C-24	2249-Y-24	2249-E-24	2249-K-24	–
3ft (0.9m)	2249-C-36	2249-Y-36	2249-E-36	2249-K-36	–
4ft (1.2m)	2249-C-48	2249-Y-48	2249-E-48	2249-K-48	–
5ft (1.5m)	2249-C-60	2249-Y-60	2249-E-60	2249-K-60	5266-C-60
6ft (1.8m)	2249-C-72	2249-Y-72	2249-E-72	2249-K-72	–
8ft (2.4m)	2249-C-96	2249-Y-96	–	2249-K-96	–
10ft (3.0m)	2249-C-120	2249-Y-120	2249-E-120	2249-K-120	–
12ft (3.7m)	2249-C-144	2249-Y-144	2249-E-144	–	–
15ft (4.6m)	2249-C-180	2249-Y-180	2249-E-180	2249-K-180	–
20ft (6.1m)	2249-C-240	2249-Y-240	2249-E-240	2249-K-240	–
25ft (7.6m)	2249-C-300	–	2249-E-300	2249-K-300	–
30ft (9.1m)	2249-C-360	–	2249-E-360	–	–
50ft (15.2m)	2249-C-600	–	2249-E-600	–	–

Model 2249-C is Pomona Electronics' most popular cable. The 50Ω RG58C/U cable makes it ideal for most test and measurement applications.

Model 2249-Y is a 50Ω RG223/U cable with double shield. Use when additional shielding is required.

Model 2249-E RG59B/U is a 75Ω cable, making it the right choice for use with TV, video and LAN applications.

Model 2249-K RG174/U offers superior flexibility in a 50Ω cable.

Model 5266-C is the same high quality construction as Model 2249-C with a connector on **(one end only)**.

BNC Male Low-Noise Cable



Model#	Length
4964-SS-12	12in (0.3m)
4964-SS-24	24in (0.6m)
4964-SS-36	36in (0.9m)
4964-SS-48	48in (1.2m)
4964-SS-60	60in (1.5m)
4964-SS-72	72in (1.8m)
4964-SS-120	120in (3.0m)
4964-SS-240	240in (6.1m)

Model 4964-SS uses a special low-triboelectric cable which has noise attenuating layers surrounding the center conductor. The cable is ideal for low power, low frequency measurements.

Recommended Frequency Range: DC to 10KHz

BNC: Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

Strain Relief: PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

BNC Male True 75Ω High Flex Cable



Model#	Length
6510-V-12-0	12in (0.3m)
6510-V-24-0	24in (0.6m)
6510-V-36-0	36in (0.9m)
6510-V-48-0	48in (1.2m)
6510-V-60-0	60in (1.5m)
6510-V-72-0	72in (1.8m)

Model 6510-V uses a true 75Ω connector for superior VSWR and low return loss up to 3 GHz. The highly flexible RG59/U type cable has a gas injected foam polyethylene dielectric with PVC jacket for low loss and superior shield coverage. Highly flexible cable and molded strain relief prevent excessive bending or kinking. An ideal product for HDTV and digital video as well as test and measurement.

Rating: Maximum voltage for *hands free use*: 500 Vrms*.

BNC: Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

Strain Relief: PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

Flexible Color-coded Sleeves for BNC Cables



Model#	Pkg. Qty
6291	20

PVC sleeves which help prevent inadvertent contact with the outer shell of the BNC and allow for color-coding. Available in 10 colors. Fit most BNC male connectors. Perfect for use with any of the Model 2249- type cables.

Colors: contains 2 ea. of 10 colors.

IEC Insulated BNC Male 50Ω Cable



Model#	Length
72926-C-40	40in (100cm)
72926-C-80	80in (200cm)

Rating: 500V Cat 1, 150V Cat II, 3A.

Color: Black.

*see rating message at start of section.