

Cable Assemblies and Bulk Cable



C-18-0 Microdot 100-Ω Miniature Cable with two Microdot male plugs; 5-cm (2-in.) length.

C-18-2 Microdot 100-Ω Miniature Cable with two Microdot male plugs; 0.61-m (2-ft) length.



C-19-2 Microdot 100-Ω Miniature Cable with one BNC male plug and one microdot male plug; 0.61-m (2-ft) length.



C-21 Microdot 293-3913 Miniature 100-Ω Cable; specify length.



BNC Plug – RG-62A/U (93 Ω) – BNC Plug.

- C-24-1/2** 15 cm, 6-in. length
- C-24-1** 30 cm, 1-ft length
- C-24-2** 0.61 m, 2-ft length
- C-24-4** 1.2 m, 4-ft length
- C-24-8** 2.4 m, 8-ft length
- C-24-12** 3.7 m, 12-ft length



BNC Plug – RG-58A/U (50 Ω) – BNC Plug.

- C-25-1** 30 cm, 1-ft length
- C-25-2** 0.61 m, 2-ft length
- C-25-4** 1.2 m, 4-ft length
- C-25-8** 2.4 m, 8-ft length
- C-25-12** 3.7 m, 12-ft length



C-34-12 RG-59A/U 75-Ω Cable with one SHV female plug and one MHV male plug; 3.7-m (12-ft) length.



C-36-2 RG-59A/U 75-Ω Cable with two SHV female plugs; 0.61-m (2-ft) length

C-36-12 RG-59A/U 75-Ω Cable with two SHV female plugs; 3.7-m (12-ft) length.



C-75 RS-232-C Null Modem Cable, female-to-female; 3-m length.



C-80 RS-232-C Extension Cable, male-to-female; 3-m length.

NIM Cables, Connectors, and Accessories



401-C3 Module Extender Cable, 0.91-m (3-ft) length.



C-VT120 Power Cable Assembly for VT120A/B/C, 3-m length.



121-C1 Preamp Power Cable Extender 3-m (10-ft) length. M-F 9-pin D connectors.



4002P-C1 Preamp Power Fan-Out Cable.



C-488-2 IEEE-488 Interface Cable, 2-m length.
C-488-4 IEEE-488 Interface Cable, 4-m length.



PRN-C-2 Printer Port Cable, male to female, 25 conductor; 0.61-m (2-ft) length.
PRN-C-10 Printer Port Cable, male to female, 25 conductor; 3-m (10-ft) length.



LL174 Signal Cables RG-174 50- Ω Cable with two LEMO male plugs.
LL174-0 0.1-m length
LL174-1 0.25-m length
LL174-2 0.5-m length
LL174-3 1-m length
LL174-4 2-m length



SMA58 RG-58A/U (50- Ω) Coaxial Cable, with SMA Connectors
SMA58-0.15 0.15-m length
SMA58-0.5 0.5-m length
SMA58-1.5 1.5-m length

Custom Cable Assemblies

The following custom-built cables can be ordered by specifying the desired length in feet in place of an X in the model number. For example, to order a 25-ft. long C-18-X-S Cable, specify C-18-25-S on the order. (1m = 3.28 ft.)

C-18-X-S	Microdot 100- Ω Miniature Cable with two Microdot male plugs.	C-25-X-S	RG-58A/U 50- Ω Cable with two BNC male plugs.	C-45-X-S	RG-62A/U 93- Ω Cable with one SHV female plug and one BNC male plug; mates Model 807 Vacuum Chamber to Models 142AH, 142IH, and 142PC Preamplifiers.
C-19-X-S	Microdot 100- Ω Miniature Cable with one Microdot male plug and one BNC male plug.	C-34-X-S	RG-59A/U 75- Ω Cable with one SHV female plug and one MHV male plug.	121-C1-X-S	Preamplifier Power Cable Extender.
C-24-X-S	RG-62A/U 93- Ω Cable with two BNC male plugs.	C-36-X-S	RG-59A/U 75- Ω Cable with two SHV female plugs.	401-C3-X-S	Module Extender Cable.
		C-43-X-S	RG-59A/U 75- Ω Cable with one SHV female plug and one open end.		

Terminators



TF50 Feedthrough terminator, 50 Ω , BNC. Provides 50- Ω ($\pm 2\%$) 1-W feedthrough termination of 50- Ω cable at high-impedance inputs.



SMA50 Terminator, 50 Ω , SMA (male).



T50 Terminator, 50 Ω , BNC. Provides a high-quality 50- Ω ($\pm 1\%$) 1/2-W termination.



C-27 Terminator, 100 Ω , BNC male plug.

C-28 Terminator, 50 Ω , BNC male plug.



LT050 Terminator, 50 Ω , LEMO.



MT050 50- Ω Matched Tee Signal Splitter

One input provides two equal half-amplitude outputs and still preserves 50- Ω termination; reflection, typically 10% (dc to over 500-MHz equivalent bandwidth); rise time, 1 ns; continuous input power, 1 W.

NIM Cables, Connectors, and Accessories

Adapters



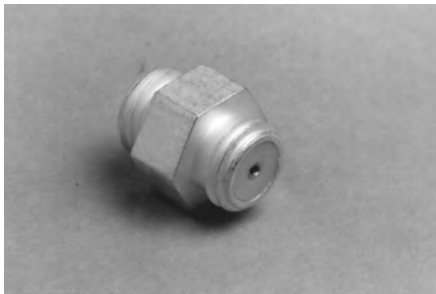
C-16 Microdot to BNC Adapter with male Microdot and female BNC.



C-17 BNC to Microdot Adapter with male BNC and female Microdot.



C-29 BNC Tee Connector.



C-30 Microdot to Microdot Connector with female Microdot on both ends.



C-31 BNC to Microdot Adapter with male BNC and male Microdot.



C-46 SHV Tee Connector.



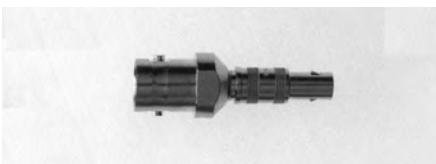
C-62 BNC Connector, female-to-female.



C-63 SHV Connector, male-to-male.



TA050 Tee Adapter, LEMO.



LB050 LEMO/BNC Adapter with male LEMO and female BNC.



BL050 BNC/LEMO Adapter with male BNC and female LEMO.



IT100 Inverting Transformer A compact pulse-inverting transformer for use in a 50- Ω system; has low distortion; good linearity, freedom from overload effects, 0.8-ns rise time capability, and 7% tilt in 100 ns.



BNC/SMA BNC to SMA Adapter with male BNC and female SMA.



SMA/BNC SMA to BNC Adapter with male SMA and female BNC.

Bulkhead Mounted Jacks



C-13 BNC to Microdot Vacuum Feed-through with female BNC and male Microdot.



C-38 SHV Male Bulkhead Jack.

Plugs



C-22 Microdot Male Plug for Miniature 100- Ω Cable.



C-37 SHV Female Plug.

Tools



C-23 Assembly Tool for C-21 and C-22 Microdot T32-11.

NIM Cables, Connectors, and Accessories

Blank NIM Modules



Shipped fully assembled and provided with 10 connector pins prewired with 25.4-cm (10-in.) leads.

400A Single Width Blank NIM Module

400B Double Width Blank NIM Module

400C Triple Width Blank NIM Module

Blank Front Panels



400-1B Blank Panel, single-width NIM

400-2B Blank Panel, double-width NIM

400-3B Blank Panel, triple-width NIM

Magnetic Shield



218 Magnetic shields are recommended for use with photomultiplier tubes to reduce the interference from either the earth's magnetic field or from stray magnetic fields from the other equipment. The Model 218 is for use with 2-in. diameter photomultiplier tubes and the ORTEC Model 265 Tube Base.

Dimensions 12.7 cm L x 7.6 cm OD (5 in L x 3 in OD)

NIM Cables, Connectors,
and Accessories

Specifications subject to change
111010

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