Operating and Service Manual

Agilent Technologies
85022A
System Cable Kit

Manufacturing Part Number: 85022-90001

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Description

The Agilent Model 85022A System Cable Kit is a set of three GP-IB cables and four BNC cables that provide the necessary interconnections in a GPIB controlled network analyzer system.

The three identical Model 10833A GP-IB cables feature an improved shielding design to help improve RFI levels in systems, exhibiting significantly lower radiated emissions than previous GP-IB cables. The connector block at both ends of each GP-IB cable has a plug on one side and a matching receptacle on the other, so that several cables may be conveniently connected in parallel, thus simplifying system interconnection. ISO metric-threaded lock screws provide for secure mounting of each connector block to a GP-IB instrument or to another cable connector block.

Four BNC 50-ohm coaxial cables are supplied, terminated on both ends with BNC (m) connectors. These include three Model 11170B, 61 cm (24 in.) cables and one Model 11170C, 122 cm (48 in.) cable. The longer cable is used to supply a modulation drive signal from the network analyzer to a synthesized sweeper.

Characteristics

The 85022A System Cable Kit consists of seven cables with the following characteristics:

Three GP-IB Cables	One BNC Cable	Three BNC Cables
Agilent Part No. 85022-20001[a]	**Agilent Part No. 8120-1840**[a]	**Agilent Part No. 8120-1839**[a]
Agilent Model No. 10833A	**Agilent Model No. 11170C**	**Agilent Model No. 11170B**
Length: 1 m. (3.3 ft.)	Length: 122 cm. (48 in.)	Length: 61 cm. (24 in.)
—	Impedance: 50 ohms	Impedance: 50 ohms
—	Connectors: BNC (m)	Connectors: BNC (m)

a. Use this Agilent part number rather than the model number when re-ordering the GP-IB cables, to expedite faster replacement.

Other Equipment Available

GP-IB and BNC cables are also available in various lengths as follows:

GP-IB			BNC	
Length	**Part Number**	**Model Number**	**Length**	**Model Number**
0.5 m. (1.6 ft.)	8120-3444[a]	10833D	30 cm. (12 in.)	11170A
2 m. (6.6 ft.)	8120-3446[a]	10833B		
4 m. (13.2 ft.)	8120-3447[a]	10833C		

a. Use this Agilent part number rather than the model number when re-ordering the GP-IB cables, to expedite faster replacement.

The Model 10834A adapter is a shielded GP-IB to GP-IB adapter. It provides additional clearance between the GP-IB cable and the rear panel of the instrument. This allows easier access to switches, cables, and other connectors that may be in close proximity to the GP-IB connector.