KEYSIGHT TECHNOLOGIES (AGILENT HP)

10833D

The Keysight Technologies (formerly Agilent HP) 10833D is a 0.5-meter (1.6 feet) GPIB (IEEE-488) instrument control cable engineered for exceptional reliability, durability, and seamless compatibility in automated test environments. It features double-shielding to protect against electromagnetic interference and incorporates standard stackable male/female connectors with metric M3.5 locking screws.

SPECIFICATIONS

General

Interfaces	GPIB (IEEE-488)

Physical

Weight	0.3 kg kg

Physical & Mechanical Properties

Cable Length	0.5 m (1.6 ft)
Shielding Type	Double-shielded (braid and foil)
Connector Contact Plating	Gold
Locking Screw Thread Type	Metric M3.5 × 0.6 (black-colored metric screw locks)
Cable Outer Jacket Color	Gray

Connector & Interconnect Configuration

Connector A Type	24-pin GPIB (IEEE-488) Stackable Male/Female
Connector B Type	24-pin GPIB (IEEE-488) Stackable Male/Female
Stackable Connector Design	Yes
Pin Allocation Standard	Standard IEEE-488 24-pin assignment

Electrical Performance

Maximum Data Transfer Rate	Up to 1 MB/s (standard GPIB) / Up to 8 MB/s (with HS488)

System Integration & Topology Limits

Maximum Recommended System Cable Length	20 m
Maximum Number of Connectable Instruments	15 (including controller)
Maximum Recommended Cable Length per Device	2 m (average)

Compliance & Certifications

IEEE-488.1 Compatibility	Fully compatible (mechanical & electrical specifications)
IEEE-488.2 Compatibility	Compatible
RoHS Directive Compliance	Yes

TECHNOLOGY

GPIB (IEEE-488)

APPLICATIONS

Instrument Control / Test & Measurement Automation

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