

**Aumictech**

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Data Sheet

August 15, 2026

KEITHLEY

Keithley 7035-MTC-2 Mass Terminated Cable Assembly

The Keithley 7035-MTC-2 is a mass terminated cable assembly designed for use with Keithley switching systems and data acquisition equipment. This cable provides a reliable and efficient connection for transferring signals between instruments and devices, ensuring accurate and repeatable measurements in automated testing and data logging applications.



MODEL

Keithley 7035-MTC-2

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

7035-MTC-2

LISTING

<https://aumictechlabs.com/products/7035-mtc-2-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley 7035-MTC-2 is a 2-meter mass terminated cable assembly engineered to interconnect Keithley Model 7035 and 7036 multiplexer cards within automated test and data acquisition systems. It terminates 45 twisted pairs at each end with 96-pin female DIN connectors, incorporating strain relief and an outer shield to maintain signal integrity in laboratory and industrial environments. The mass termination design ensures secure, repeatable connections while the twisted pair construction minimizes crosstalk and external noise interference. Technical Specifications Cable Length: 2 meters (6.6 feet) Conductor Configuration: 45 twisted pairs with outer shield Connectors: 96-pin female DIN, mass terminated at both ends with strain relief Channel Resistance: <1 Ω per conductor Contact Potential: <1 μ V per channel

contact pair; $<3\ \mu\text{V}$ typical per single contact Offset Current: $<100\ \text{pA}$ Key Features Twisted pair wiring with outer shield for noise immunity and signal fidelity Mass termination at both connector ends for secure, low-impedance mating Strain relief on connectors reduces mechanical stress and extends service life Contact potential and offset current specifications support precision analog switching and data acquisition Electrical Ratings Maximum Signal Level (DC): 60 V between any two inputs or chassis Maximum Signal Level (AC): 30 Vrms between any two inputs or chassis; 42 V peak Switched Current Capability: 1 A Resistive Load Rating: 30 VA Compatibility & Integration The 7035-MTC-2 mates directly with Keithley Model 7035 and Model 7036 multiplexer cards via standard 96-pin male DIN bulkhead connectors. It integrates with Keithley switching systems and data acquisition equipment that employ 96-pin DIN connectors for signal routing. The cable supports low-level analog signal switching and general-purpose switching applications within compatible Keithley instrument chassis.

7035MTC Characteristics / Specifications

PARAMETER	VALUE
Model	7035-MTC-2
Brand	Keithley
Catalog Title	Keithley 7035-MTC-2 Mass Terminated Cable Assembly
Sku	7035-MTC-2
Product Class	cable or lead accessory
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	7035-MTC-2
Manufacturer Line	Keithley
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

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Model	7035-MTC-2
Brand	Keithley
Catalog Title	Keithley 7035-MTC-2 Mass Terminated Cable Assembly
Sku	7035-MTC-2
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Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	7035-MTC-2
Manufacturer Line	Keithley
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.