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KEITHLEY INSTRUMENTS

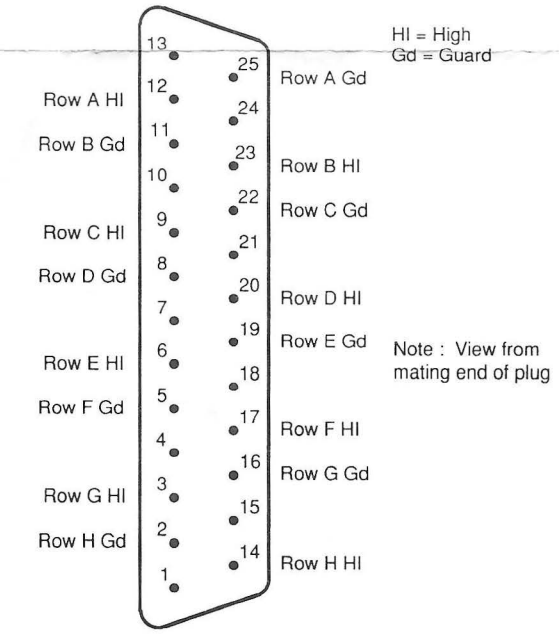
Model 7076-RMTC High Isolation Cable

The Model 7076-RMTC is a high isolation cable that is used to optimize performance by minimizing crosstalk between signal paths. This three-meter (10 feet), 28-conductor cable is terminated with a D-sub plug on each end. The plug assignment for this cable is configured to mate to the ROWS receptacle of the Model 7076 matrix card, or the ROW A-H receptacle of the Model 7075 multiplexer card. Pin identification for this cable is shown below in the illustration.

Each cable contains 12 conductor pairs, each of which corresponds to a row. Each pair contains a color-coded insulated wire (HI), and a bare drain wire (guard). Each pair is wrapped in an insulated, color-coded foil which is also connected to guard. The color combination of the HI conductor insulator and the surrounding foil is used for terminal identification (see Table).

CAUTION

Do not exceed 110V DC, 175V AC peak between any two pins or between any pin and chassis.



Note : Unlabled pins are not connected to cable

D-Sub Plug Pin Assignments

Model 7076-RMTC Conductor Identification

Row	Cable Wire Color Combination
Row A	Brown (HI), Red Foil w/Drain (Guard)
Row B	Red (HI), Red Foil w/Drain (Guard)
Row C	Orange (HI), Red Foil w/Drain (Guard)
Row D	Yellow (HI), Red Foil w/Drain (Guard)
Row E	Blue (HI), Red Foil w/Drain (Guard)
Row F	White (HI), Red Foil w/Drain (Guard)
Row G	Brown (HI), Blue Foil w/Drain (Guard)
Row H	Red (HI), Blue Foil w/Drain (Guard)
(Chassis)	Black (Chassis), Red Foil w/Drain (Chassis)
(Chassis)	White (Chassis), Blue Foil w/Drain (Chassis)
(Chassis)	Main outer shield w/Drain (Chassis)

SPECIFICATIONS

Working Voltage:	175V peak pin to pin and pin to shield.
Max Working Current:	1A in all continuities.
Operating Environment:	0°C to 50°C, up to 70% RH at ≤35°C.
Contact Resistance:	<0.8Ω on all continuities.
Insulation Resistance:	$10^9\Omega$ at 100V DC pin to pin and pin to shield.

SAFETY WARNINGS

This adapter should only be used by qualified personnel who recognize shock hazards and are familiar with the safety precautions required to avoid possible injury.

The outer shell of the connector is for protection from voltages on the inner conductors. Make sure the outer shell is always connected to earth ground or a properly grounded chassis.

Never touch or change the connections when power is applied to the adapter. Always turn off test system power and discharge all capacitors before connecting or disconnecting the adapter.

To prevent voltages from being exposed or connections from shorting together, make sure both ends of the adapter are properly connected before applying voltage.

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