



ESDGuns.com GRC Series Ground Cables for ESD Voltage Bleeding

Features

Ideal for voltage bleeding to Ground Plane during Indirect ESD Immunity Testing

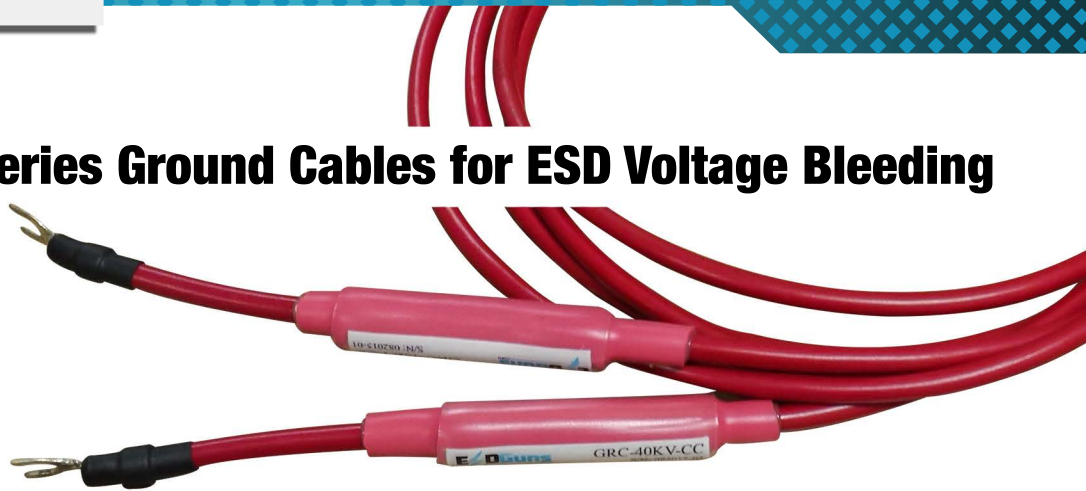
Compliant to IEC 61000-4-2, ISO 10605, DO-160, Mil-STD CS118 and more.

20kV or 40kV High Voltage Cable (typically rated to 150 degrees C)

Carbon Comp Allen Bradley or Metal Oxide Resistors (5% tolerance)

1.5 Meters (5 Feet) in Length

Hand Made in USA



The indirect discharge part of ESD immunity test uses two planes, known as the horizontal coupling plane (HCP) and the vertical coupling plane (VCP) and coupled to the ground reference plane (GRP). The HCP remains in place under the EUT during the direct tests, the VCP to be placed at a 10 cm distance from the EUT. Each coupling plane requires a connected to the GRP by the ESDGuns.com GRC resistor lead, to ensure that any charge bleeds off within a few microseconds. The construction of these leads is critical: there should be a resistor close to each end, so that the length of lead between them is isolated from the connections and stray coupling to it is neutralized. Although power rating is unimportant, the resistors themselves should withstand a high pulse dv/dt without breaking down, for which low inductance carbon composition types are best suited.

The ESDGuns.com GRC Resistor Cables are ideal for bleeding voltage during ESD immunity testing to IEC 61000-4-2, ISO 10605, RTCA/DO-160, Mil-STD-461G CS118 and virtually every other compliance standard. Using high quality components and built in the USA, ESDGuns.com is the only stocking manufacturer of these ESD cables/leads, making them immediately available at an economic price.

Resistors

The GRC ground cables are offered with carbon comp and metal oxide 470k Ohm bleeder resistors. Both are suitable to withstand a high pulse dv/dt without breaking down. Carbon comp resistors are more resilient and will last several years in the highest frequency and voltage environments. ESDGuns.com offers a 3-Year warranty on the carbon comp resistors and a 1-Year warranty with the less durable metal oxide.

High Voltage Cables

High voltage cabling rated to 20kV exceed the test levels called out for IEC 61000-4-2 test levels. Alternatively, high voltage cabling rated to 40kV exceed the voltage output of any portable ESD simulator rated to 30kV.

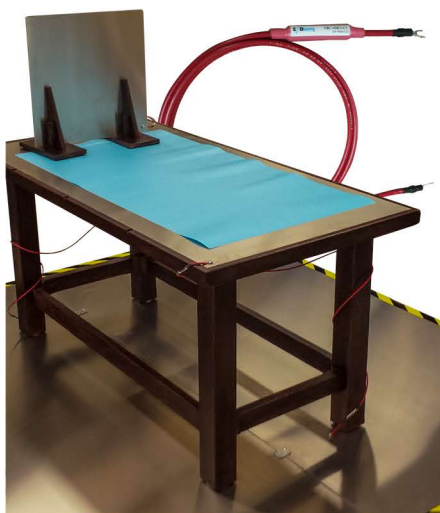
Models

GRC-40KV-CC: 40kV High voltage cable with carbon composition 470k Ohm resistors

GRC-20KV-CC: 20kV High voltage cable with carbon composition 470k Ohm resistors

GRC-40KV-MO: 40kV High voltage cable with metal oxide 470k Ohm resistors

GRC-20KV-MO: 20kV High voltage cable with metal oxide 470k Ohm resistors



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