



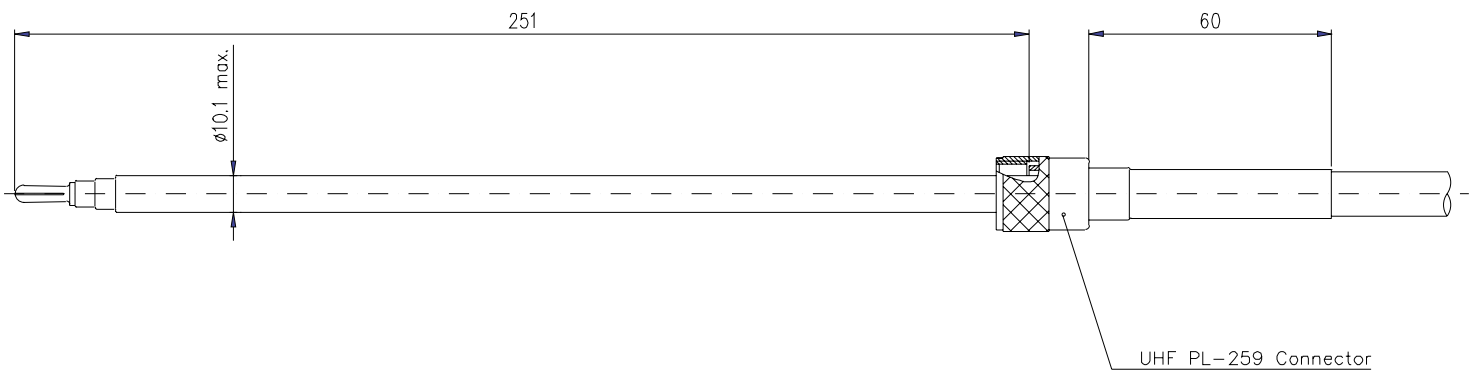
CA47-type Connector for up to 60 kVDC

1-Contact high voltage cable assembly for power supplies up to 60kVDC.

This type of connector is typically used with common power supplies using a connector fitting into the deep well female connector that is mounted in the power supply.

The shielding braid and jacket of a 60kV coaxial cable (Claymount M1-type cable) are stripped back to the appropriate length and a modified UHF connector is attached to the braid. To achieve a reliable electrical contact, a banana-type split contact pin is attached to the end of the conductor.

Alternatively to this CA47 type plug, there are other length plugs available for different voltage ratings, e.g. the shorter CA33 plug for 40kVDC.



Cable types

The following cable types can be terminated with CA47-type connectors

M1 (1 conductor, 60 kVDC)

Technical data

Number of contacts	1
Rated voltage	60 kVDC
Max outer diameter of the plug (including nut)	19 mm / 0.75 inch
Maximum cable diameter	11.6 mm / 0.457 inch
Minimum bending radius of the cable	22 mm / 0.9 inch