



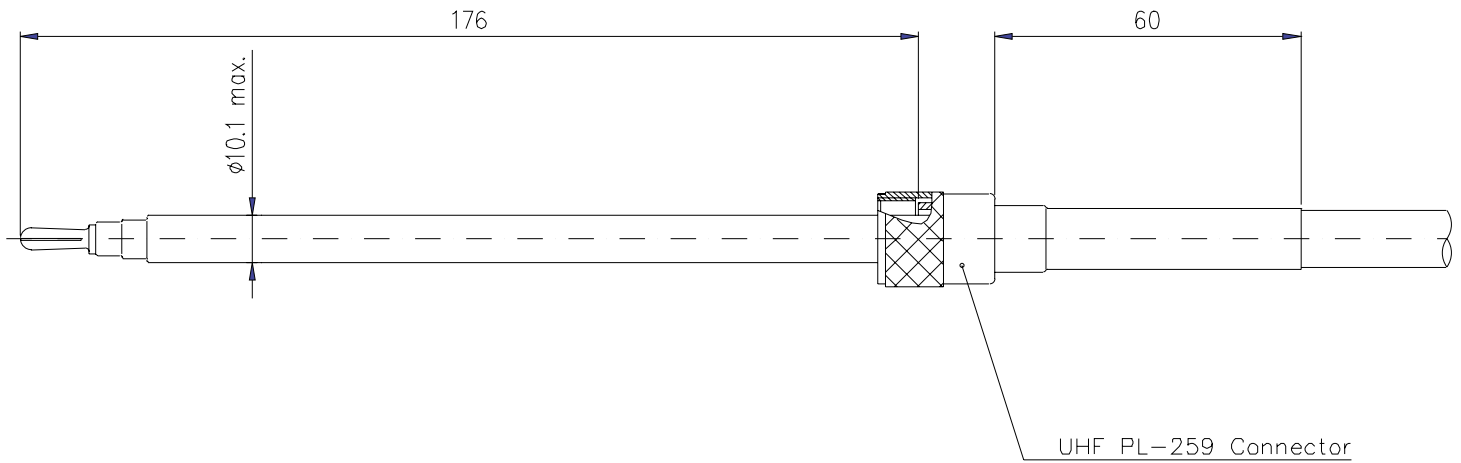
CA33-type Connector for up to 40 kVDC

1-Contact high voltage cable assembly for power supplies up to 40kVDC.

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 CA33 type plug, there are other length plugs available for different voltage ratings, e.g. the longer CA47 plug for 60 kVDC.



Cable types

The following cable types can be terminated with CA33-type connectors

M1 (1 conductor, 60 kVDC)

Technical data

Number of contacts	1
Rated voltage	40 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