

HIGH VOLTAGE CABLE ASSEMBLIES AND RECEPTACLES 50KV – 300KV

FEATURES

- Up to 300kV_{DC}
- Oil-tight Receptacles
- Extended Temperature Range
- Various Standard Types
- Custom Designs

APPLICATIONS

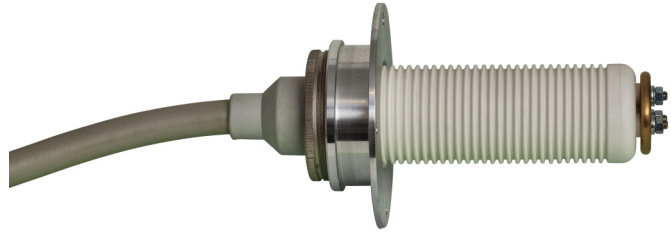
- Industrial X-Ray
- Analytical Instruments
- Particle Physics
- Electron Beam Welding
- Pulsed Power
- Test Stations

DESCRIPTION

A comprehensive range of high voltage cable assemblies and mating chassis mounted receptacles used for connecting HV power supplies to X-Ray tubes and other equipment. Available in the following styles and voltages: 65kV (R3), 75kV Federal Standard (O3, O4), 100kV (R10), 160kV (R24), 210kV (R30), 225kV (R28), 300kV, Pantak connectors, bottle shaped connectors and custom types. The cable terminations are implemented as resin cast or molded rubber connectors and fit most makes of industrial and scientific equipment. Molded rubber connectors are available spring loaded or with spring loaded flanges.

A wide range of termination clamping flanges, insulation paste, receptacle blanking plugs and test probes are available.

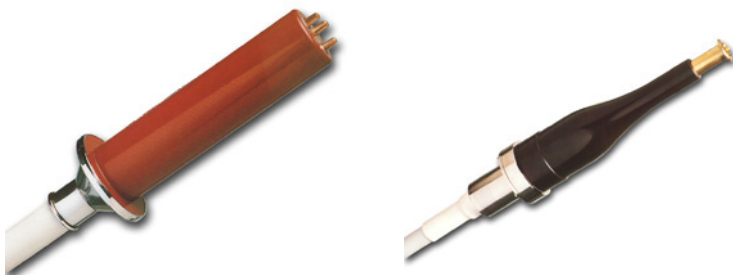
Typical applications include medical and industrial X-Ray, electron microscopes, X-Ray fluorescence, inspection equipment, electron beam welding, high energy, pulsed power and particle physics.



160kV R24 Type Spring Loaded Molded Rubber Connector and Receptacle



75kV O3 Type Resin Cast Connector and Receptacle

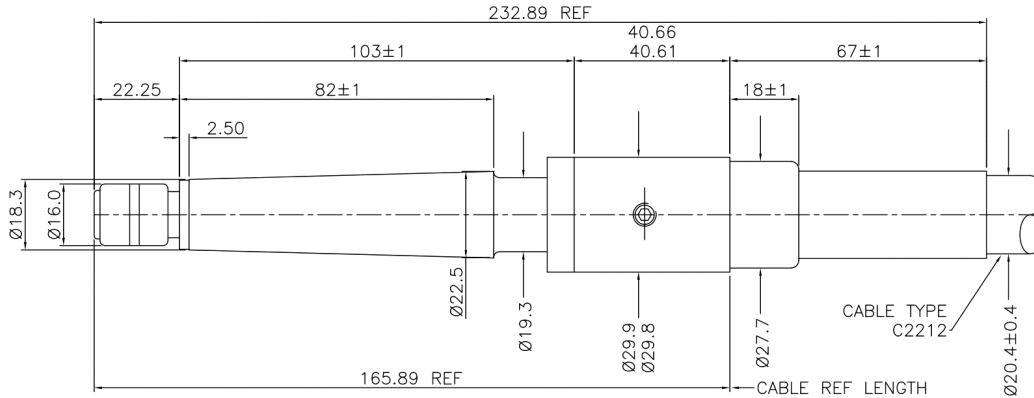


EXAMPLES OF HIGH VOLTAGE CABLE ASSEMBLIES AND RECEPTACLES (FOR REFERENCE ONLY)

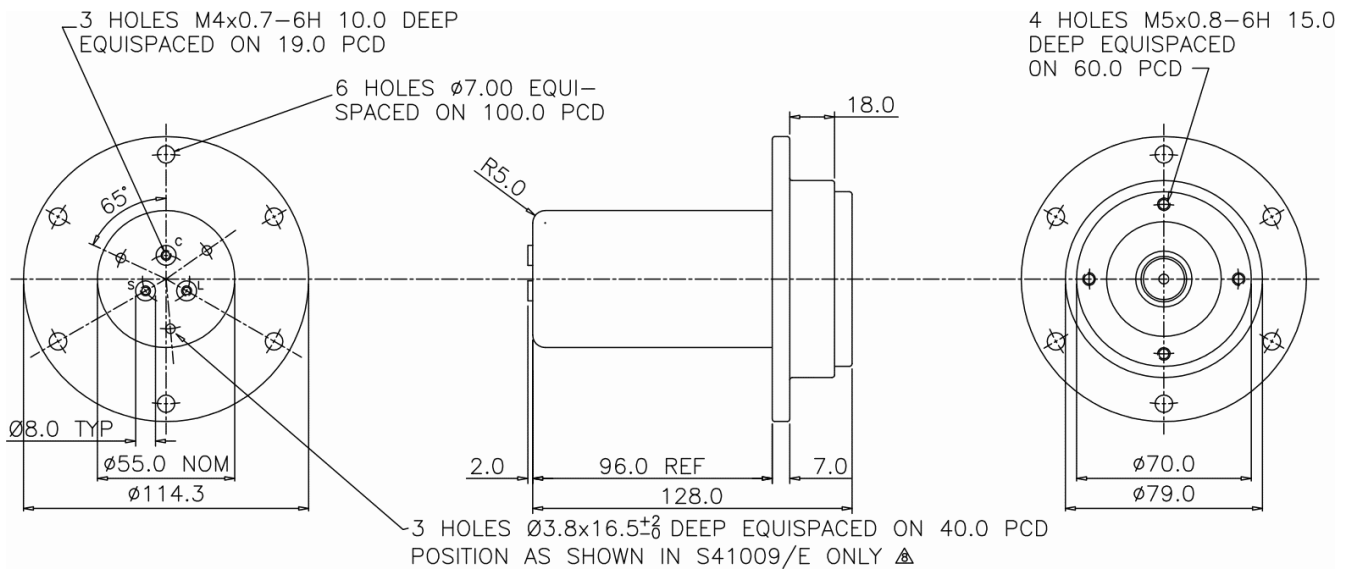
High Voltage Cable Assemblies are manufactured in various different combinations of cable and connector types. Some possible configurations and some variants of receptacles are shown for reference. All drawings are for identification purposes only. All drawings not to scale.

Final configurations are defined according to the requirements of the customer's application.

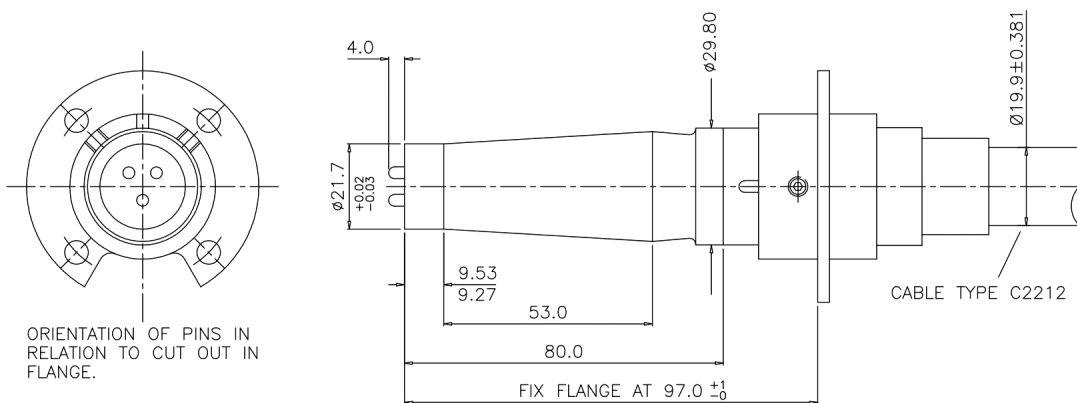
100KV R10 STRAIGHT MOLDED RUBBER CONNECTOR – CABLE TYPE 2212



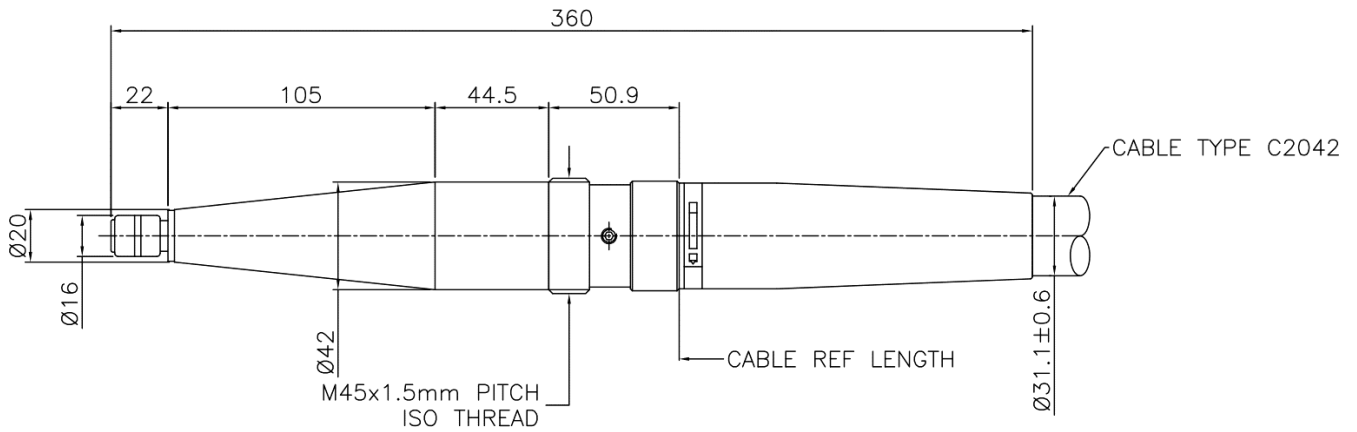
100KV R10 RECEPTACLE



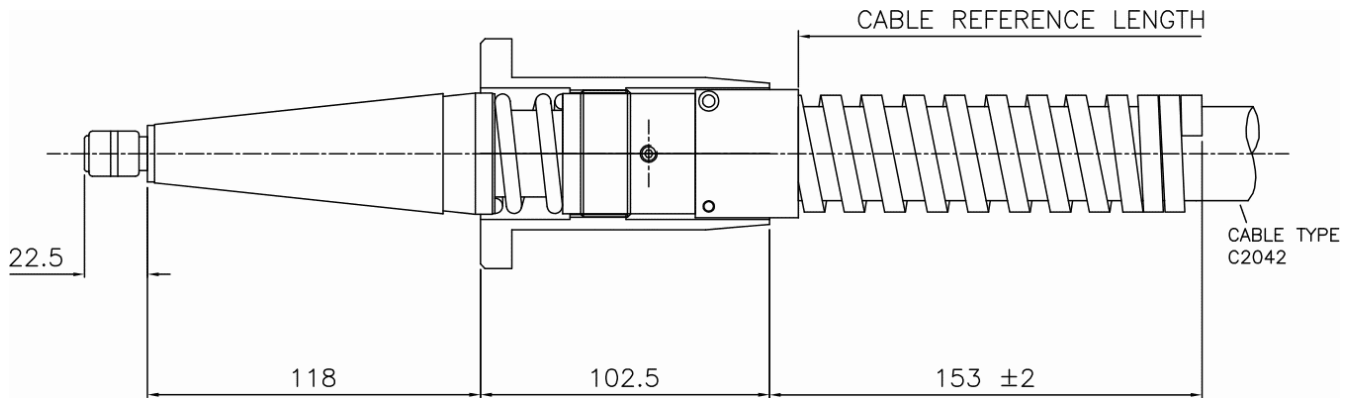
100KV R27 STRAIGHT MOLDED RUBBER CONNECTOR – CABLE TYPE 2212



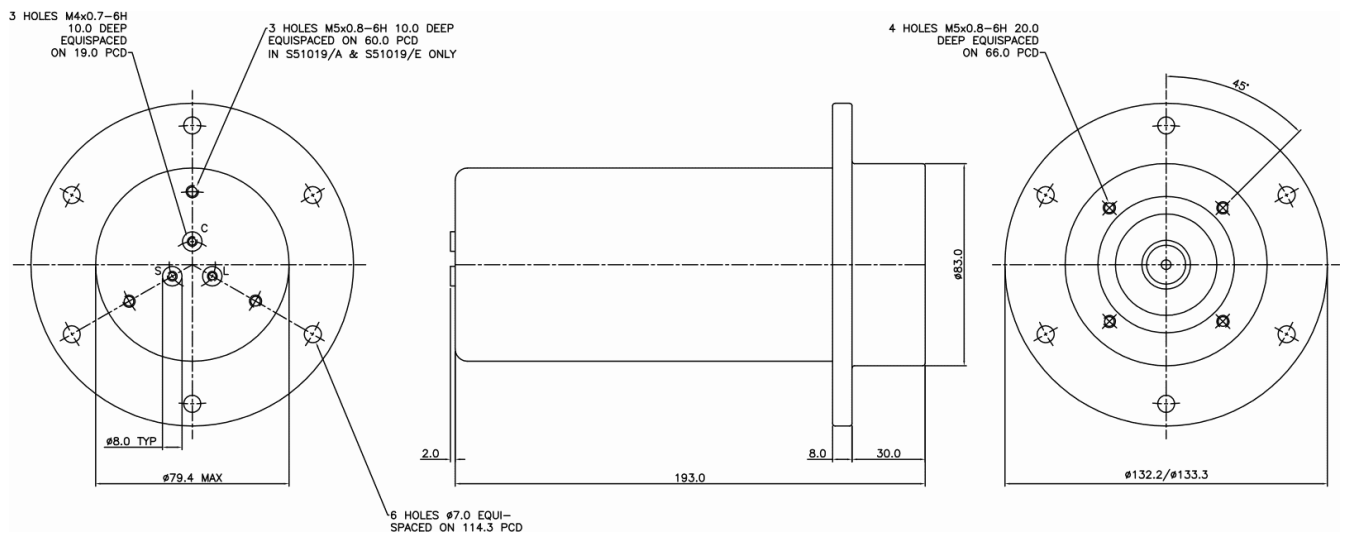
▪ **160KV R24 STRAIGHT MOLDED RUBBER CONNECTOR – CABLE TYPE 2042**



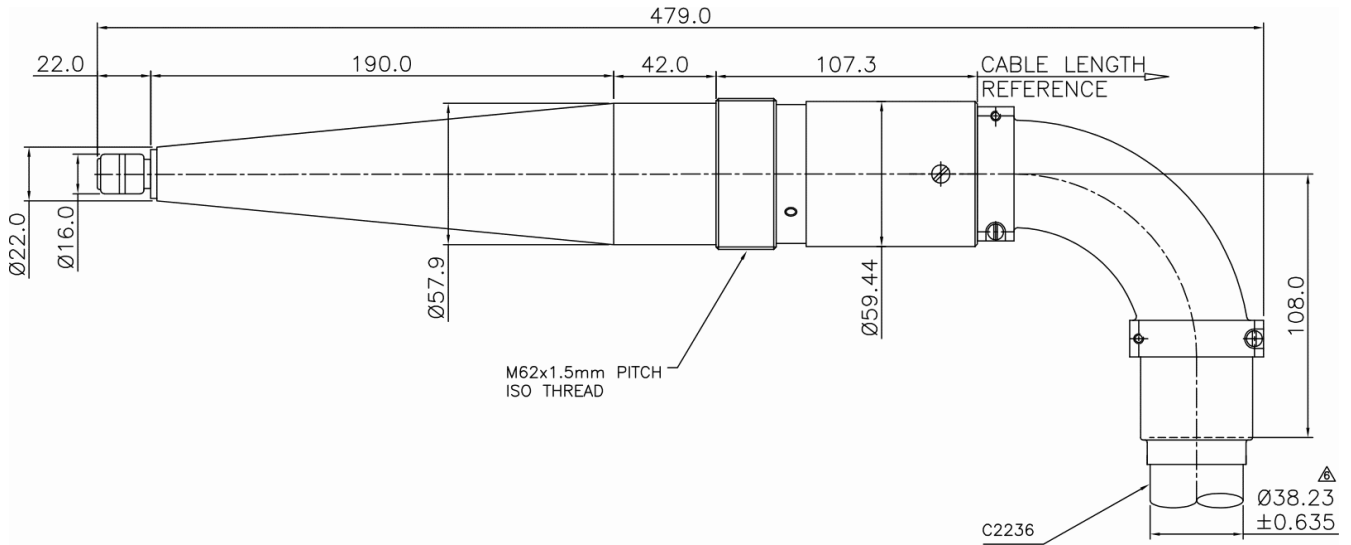
▪ **160KV R24 SPRING LOADED STRAIGHT MOLDED RUBBER CONNECTOR – CABLE TYPE 2042**



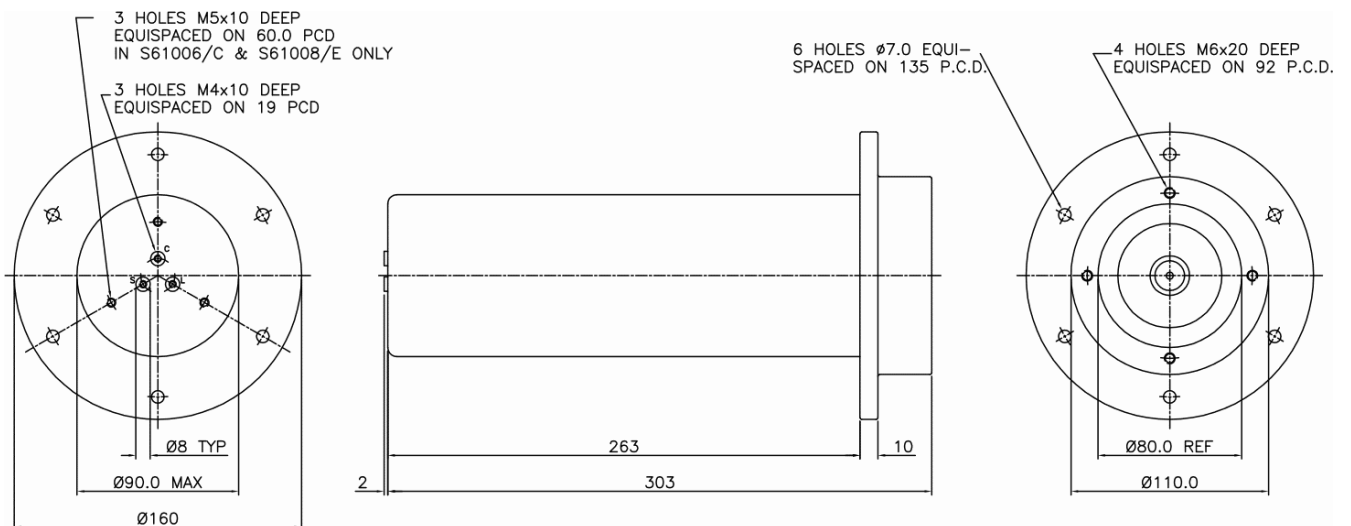
▪ **160KV R24 RECEPTACLE**



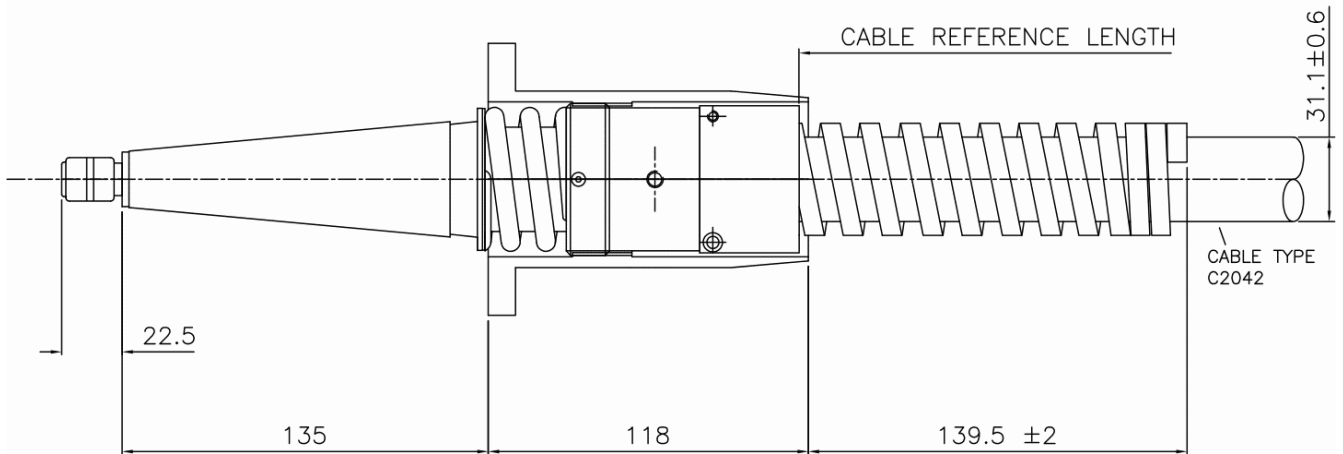
▪ **210KV R30 RIGHT ANGLE MOLDED RUBBER CONNECTOR – CABLE TYPE 2236**



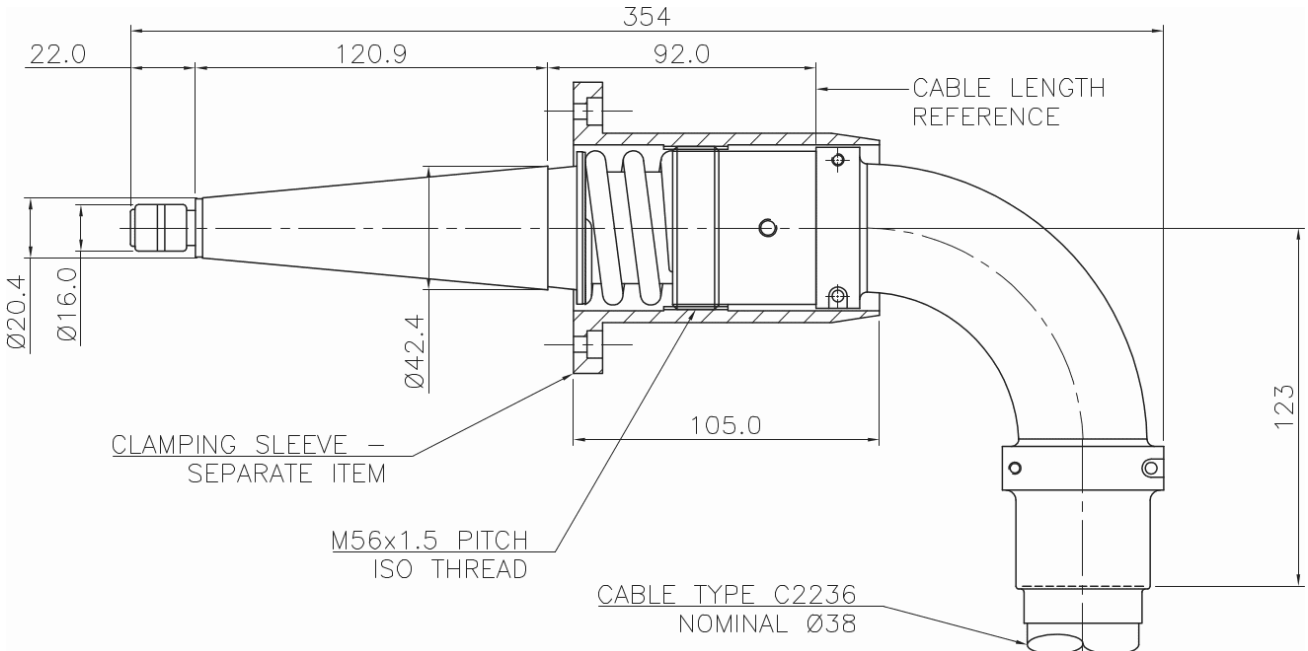
▪ **210KV R30 RECEPTACLE**



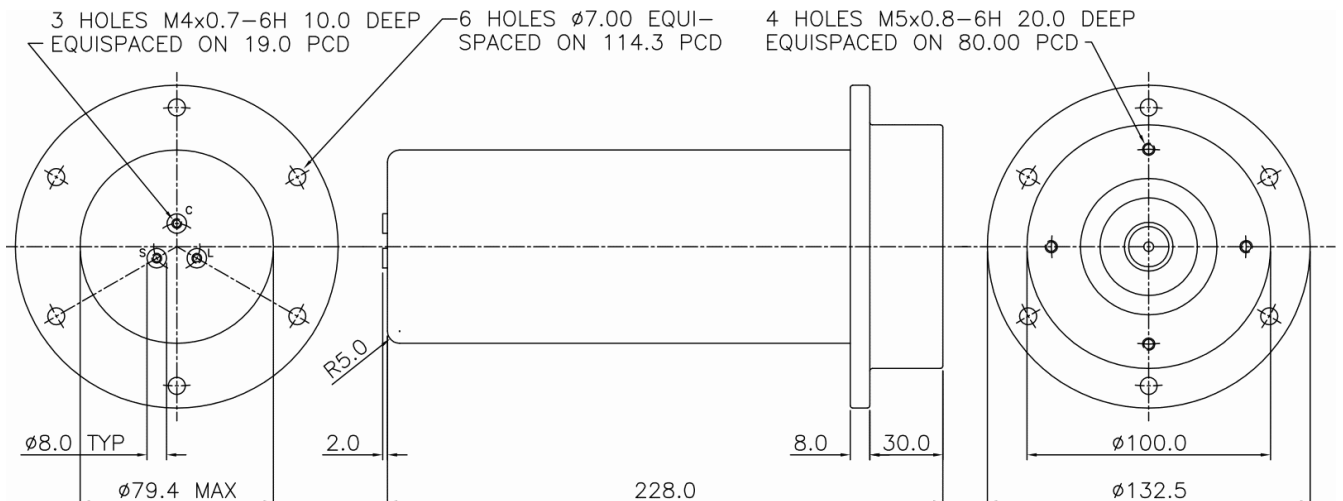
▪ **225KV R28 SPRING LOADED STRAIGHT MOLDED RUBBER CONNECTOR – CABLE TYPE 2042**



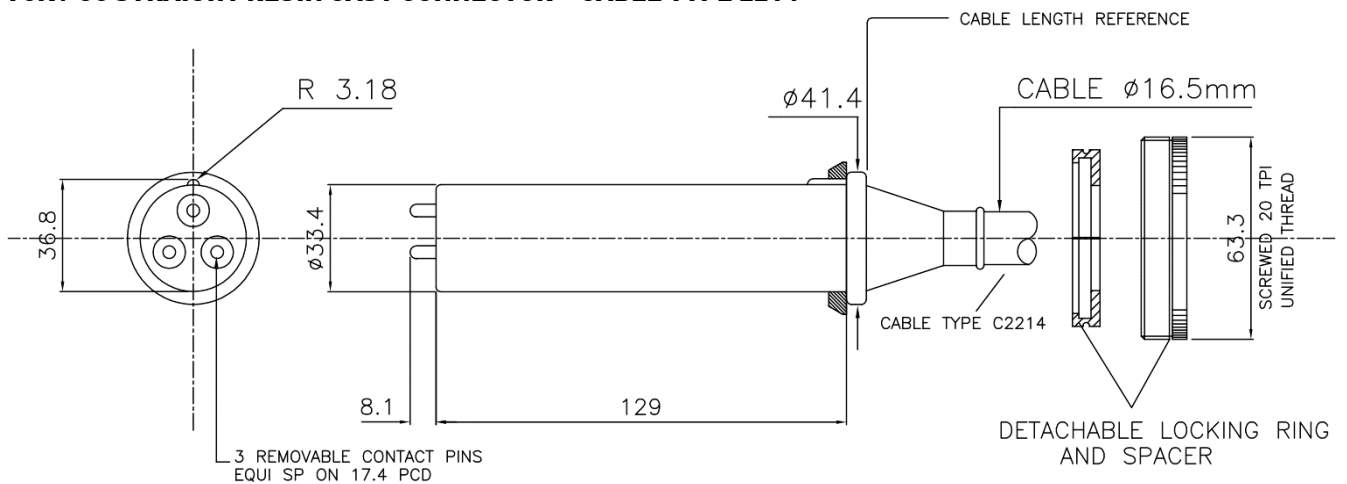
▪ **225KV R28 SPRING LOADED RIGHT ANGLE MOLDED RUBBER CONNECTOR – CABLE TYPE 2236**



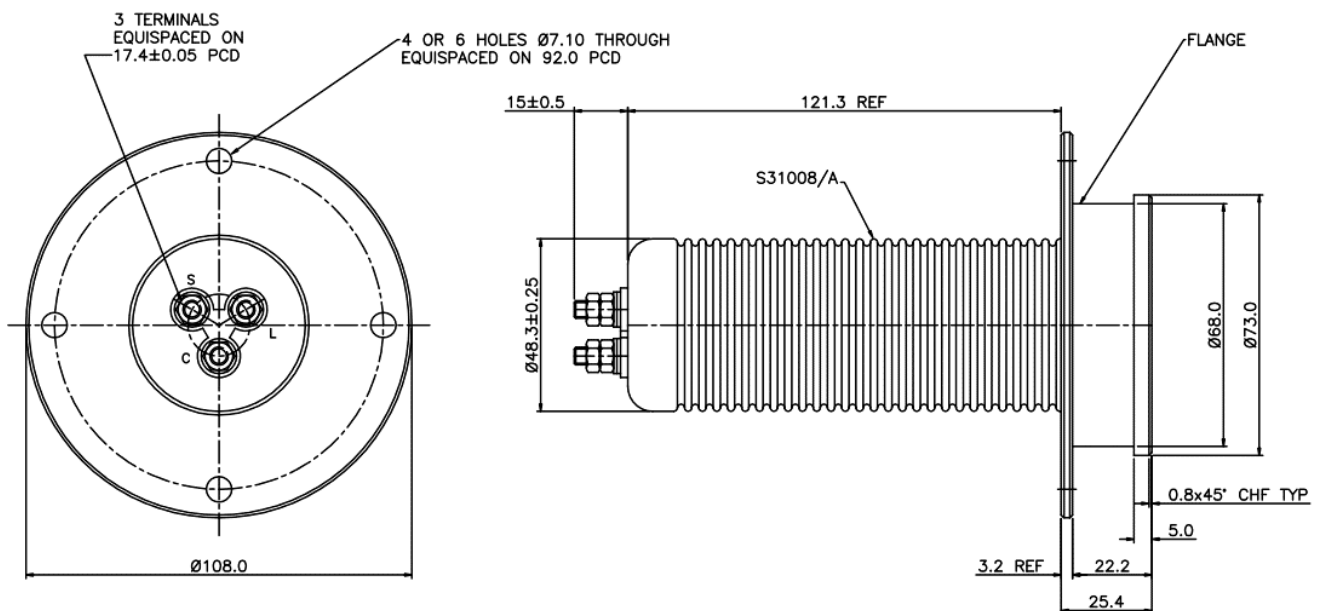
▪ **225KV R28 RECEPTACLE**



▪ **75KV O3 STRAIGHT RESIN CAST CONNECTOR – CABLE TYPE 2214**



▪ **75KV RECEPTACLE WITH FLANGE**



Note: drawings not to scale