



**Cold
Shrinkable
Termination
for screened
XLPE
Cable**



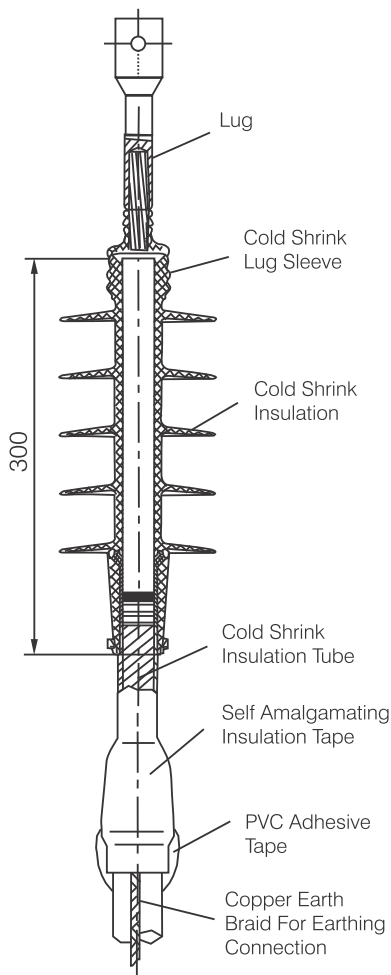
About us

Vishwa Power & Infrastructure (P) Ltd. is one of the leading Manufacturer & Supplier of Cable Accessories & Components suitable for medium voltage. Vishwa Power & Infrastructure (P) Ltd. offers a complete range of Cable Accessories upto 33 KV.

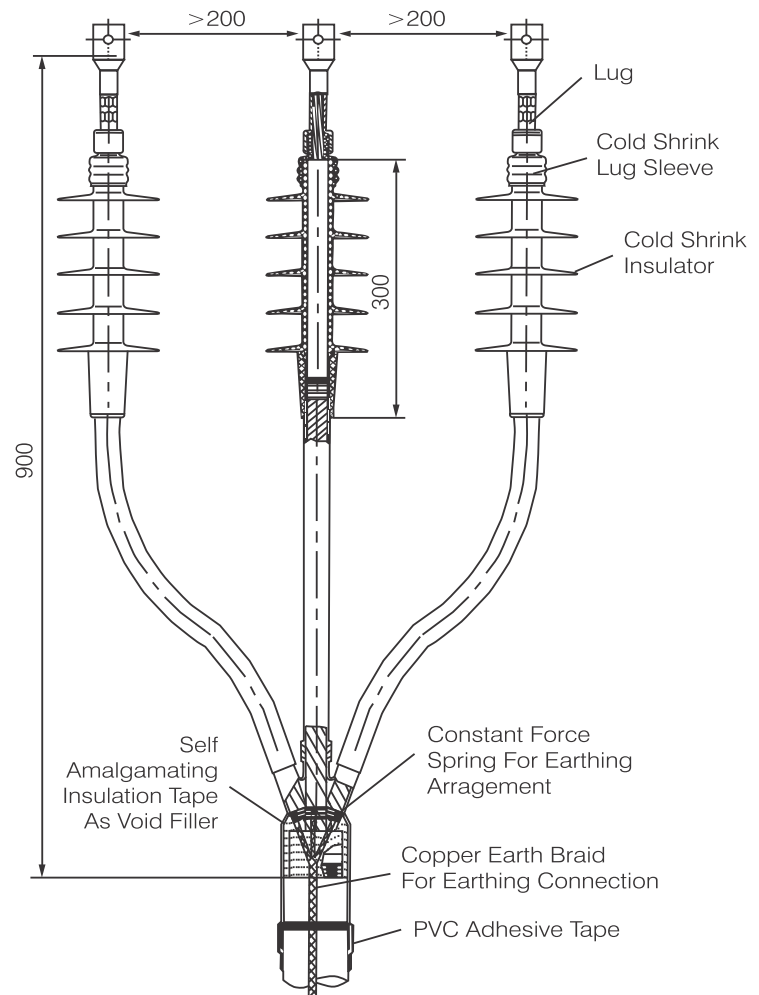
Cold shrink technology was developed to provide an alternative to Heat Shrink technology. Many benefits can be seen by the use of modern technology. The product is designed to minimize installation error. These are very quick and easy to install. The splices and terminations are made of liquid silicone material and design incorporates full stress control before installation.

Application Theory

The cross linkable feature of liquid silicone rubber acts as spring. Silicon rubber tubes are expanded to a range that the cross-links can endure by the supporting plastics core. The cold shrink comes stretched over the removable core which allow easy slide of tubes over the splice or termination. Unwinding the Core results in shrinking tight on the cable & core.



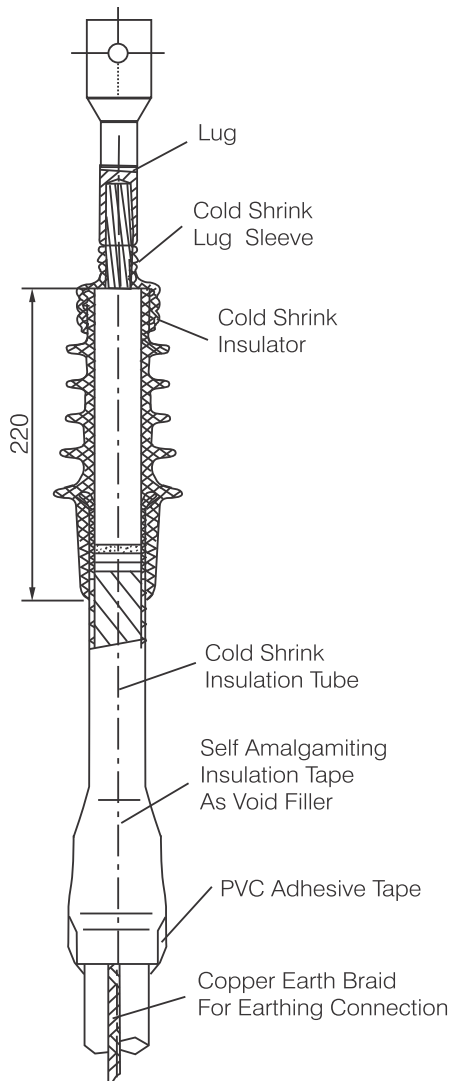
**Single Core Cold Shrink
Outdoor Termination (11KV)**



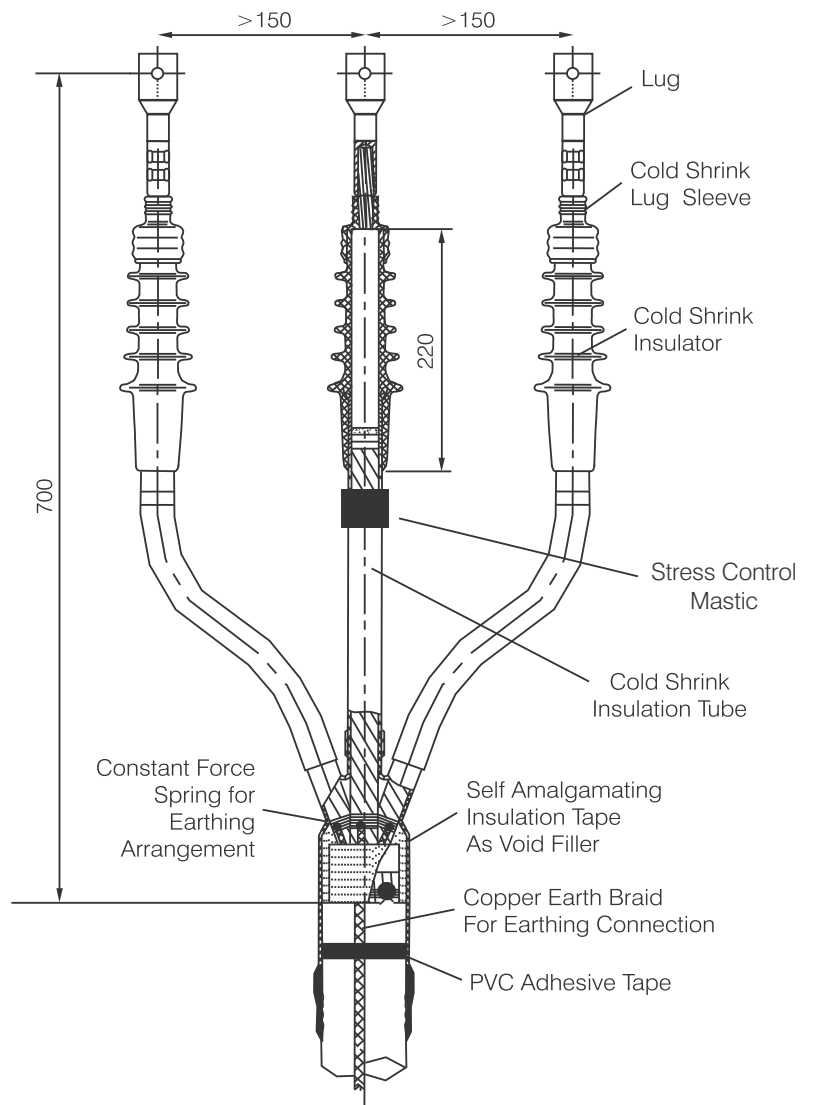
**Three Core Cold Shrink
Outdoor Termination (11KV)**

Comparing with Heat Shrink Technology

- Heat shrink required a heat source, usually a torch, to shrink it over the splice or termination. Cold shrink doesn't need heat, flames or special tools.
- Heat shrink requires more skills to prepare and apply. Cold shrink minimize the training and preparation.
- Reheating the heat-shrinkable tubing makes the crystalline regions resolidify and becomes rigid, which exert no inward pressure on the cable. The cold shrink product maintains a living tight seal, which ensure continuous inward pressure during the life of a cold shrink products.
- The introduction of a torch for heating purposes also makes it necessary to take extra caution to prevent injuries to other workers or damages to the cable or anything else. Cold shrink products are a safe option when working close door and other areas where gases may concentrate or cause explosion and inflammation.
- Heat shrink tubing is typically very rigid at room temperature, making it a good choice for mechanical protection at the temperature. However, this rigidity prevents it from moving with the cable and maintain an environmental seal without mastics and hot melt adhesives. It's well-suited for re-jacketing in direct burial applications. Silicone, used in cold shrink products, is inherently UV-resistant and therefore will not be affected by the sun. It also inherently prevents from water and has fairly good chemical resistance to most chemicals. It is recommended for outdoor, above-ground applications because of its UV resistance and ability to prevent water forming. Silicone materials perform very well both in high and low temperatures.



**Single Core Cold Shrink
Indoor Termination for (11KV)**



**Three Core Cold Shrink
Indoor Termination for (11KV)**

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