

# Jointmask



**Cold Shrink**  
Product Catalogue



High-voltage cable applications require an extra level of performance, long life and dependability. That's why JOINTMASK has developed a range of termination and splice kits especially designed for utility cable work up to 33kV. Every JOINTMASK kit has been laboratory tested on live power cable to meet the tough standards of the utility industry. And all JOINTMASK products have been repeatedly proven in the field for reliable performance, ease-of-use and extra long life. What's more, JOINTMASK termination and splice kits are designed for almost any cable size and type. This means you'll have the flexibility you need to handle a wide range of repair, overhaul, re-engineering or new construction projects on time, according to specification and on budget.

### **JOINTMASK Cold Shrink Advantage**

- **Fast, easy installation.**

Advanced JOINTMASK solutions provide terminations and splices installed in a fraction of the time. JOINTMASK kits also eliminate the need for soldering or special tools.

- **Reliable, long-lasting materials.**

All JOINTMASK termination and splice materials have been factory tested and retested before being shipped to you. And all JOINTMASK products meet tough IS standards for performance and design.

- **Solutions to fit your specs.**

Kits are available for virtually any application, cable voltage or cable size.

- **Everything you need to terminate and splice.**

With JOINTMASK, you can order all the kits and accessories you need from the same source. So you can save time, simplify your ordering and reduce your paperwork. For dependable, easy-to-assemble termination and splice solutions, contact your JOINTMASK representative. We'll be happy to provide you with reliable, high-quality JOINTMASK materials to meet your special requirements.

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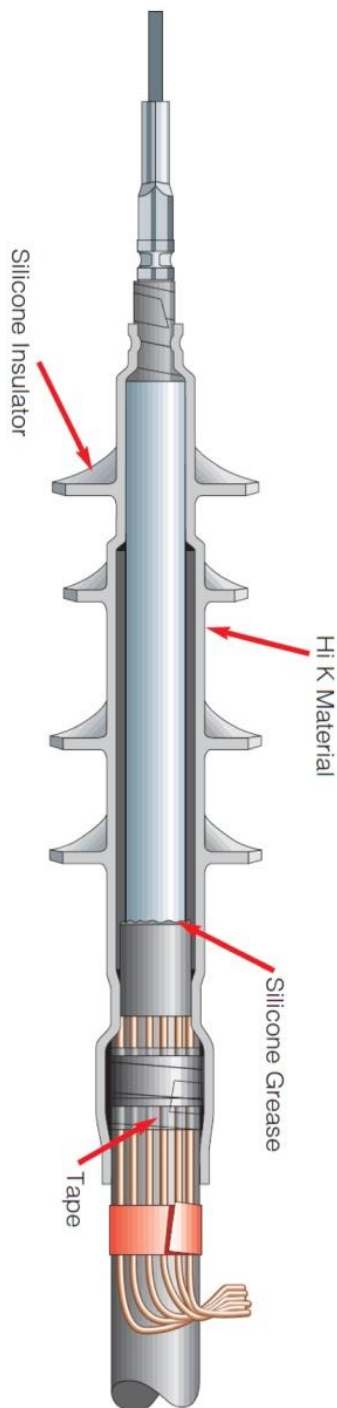
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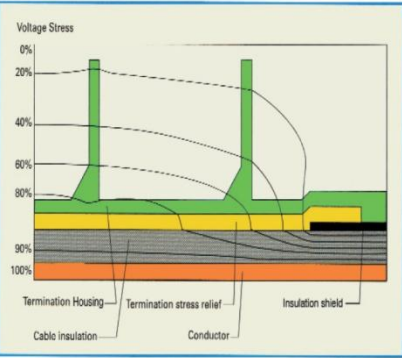


## JOINTMASK Cold Shrink Terminations

Fast and effective, JOINTMASK Cold Shrink termination kits with integral stress control help provide you with easy to assemble terminations for a broad spectrum of indoor and outdoor applications. JOINTMASK terminations are based on specially formulated, track-resistant, silicone rubber insulators with stress relief. These insulators are pre-stretched around a coiled, plastic core. When the terminator is slipped over a properly prepared cable and the core is pulled out, the terminator immediately shrinks to fit the cable's dimensions. The result is a tight, durable, void-free, constant-pressure seal for a variety of cable types and sizes. JOINTMASK provides a dielectric constant of approximately 25, distributing the electric field well beyond the shield cutoff. This greatly reduces the stress gradient at the end of the shield, thus helping to ensure long-lasting performance in high-voltage applications. Cold Shrink silicone rubber insulators are well suited for both indoor and outdoor applications. JOINTMASK silicone rubber insulators will not harden or crack, even under demanding conditions, and all JOINTMASK terminations are highly resistant to severe weathering, temperature extremes, heavy moisture and prolonged industrial contamination.



### Stress Distribution



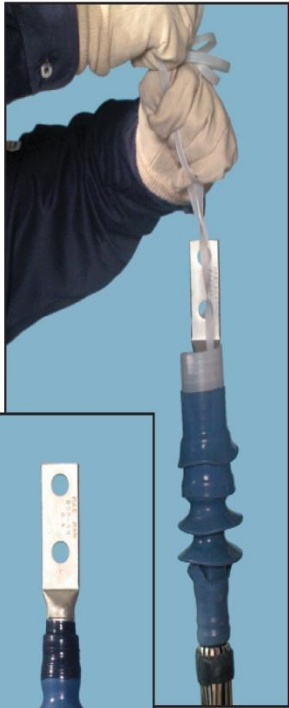
The JOINTMASK Cold Shrink terminations provide stress control by utilizing a flexible tube with a high permittivity dielectric constant. The stress relief tube is pre-assembled under the polymer housing. As the core is removed, both the tube and the housing shrink onto the cable in exactly the right position. When energized the electrical field is refracted through the stress relief tube and housing as shown above.

### Ease of installation

1. Final Cable Prep



3. Support Core Removal



2. Placement of Termination



4. Completed Assembly

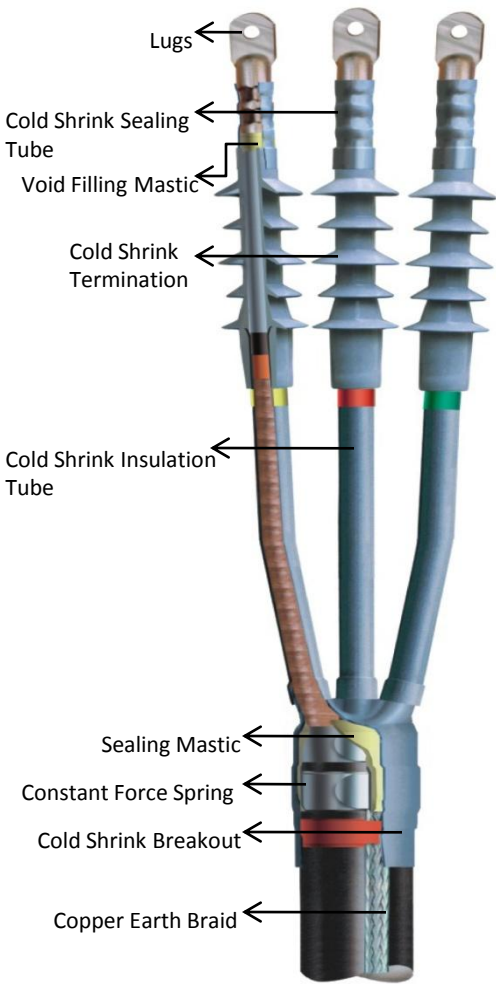


# COLD SHRINK OUTDOOR TERMINATIONS CSO-1133 SERIES



## KIT COMPONENTS

1.	Cold Shrink Termination	9.	Silicone Grease
2.	Cold Shrink Insulation Tube	10.	Cleaning Solvent
3.	Cold Shrink Breakout	11.	Mopping Cloth
4.	Cold Shrink Sealing Tube	12.	Emery Tape
5.	Constant Force Spring	13.	Glove
6.	Sealing Mastic	14.	PVC Adhesive Tape
7.	Void Filler	15.	Connector Lugs
8.	Copper Earth Braid	16.	Installation Instruction Sheet



## ELECTRICAL PERFORMANCE

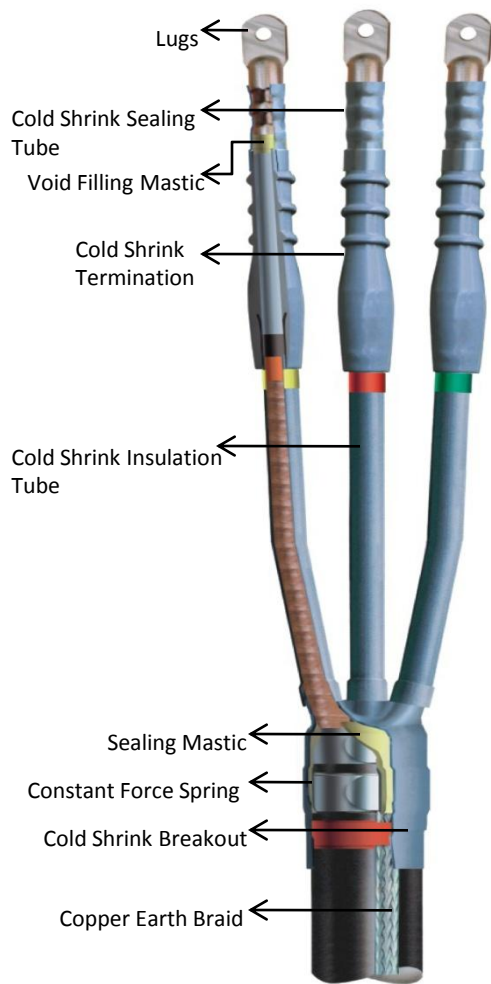
Test	11KV	22KV	33KV
A.C Dry Withstand Voltage	35KV/1 Minute	50KV/1 Minute	75KV/1 Minute
D.C Withstand , 30 Minute	48KV	96KV	144KV
Impulse Withstand Voltage	75KV	125KV	170KV
Partial Discharge	12.7KV<5Pc	25KV<5Pc	38KV<5Pc

## KIT SELECTION GUIDE

CABLE SIZE	KIT CODE FOR 11KV	KIT CODE FOR 22KV	KIT CODE FOR 33KV
3 X 16-50sq.mm	CSO – 1	CSO – 6	CSO – 11
3 X 70-95sq.mm	CSO – 2	CSO – 7	CSO – 12
3 X 120-185sq.mm	CSO – 3	CSO – 8	CSO – 13
3 X 240-300sq.mm	CSO – 4	CSO – 9	CSO – 14
3 X 400sq.mm	CSO – 5	CSO – 10	CSO – 15

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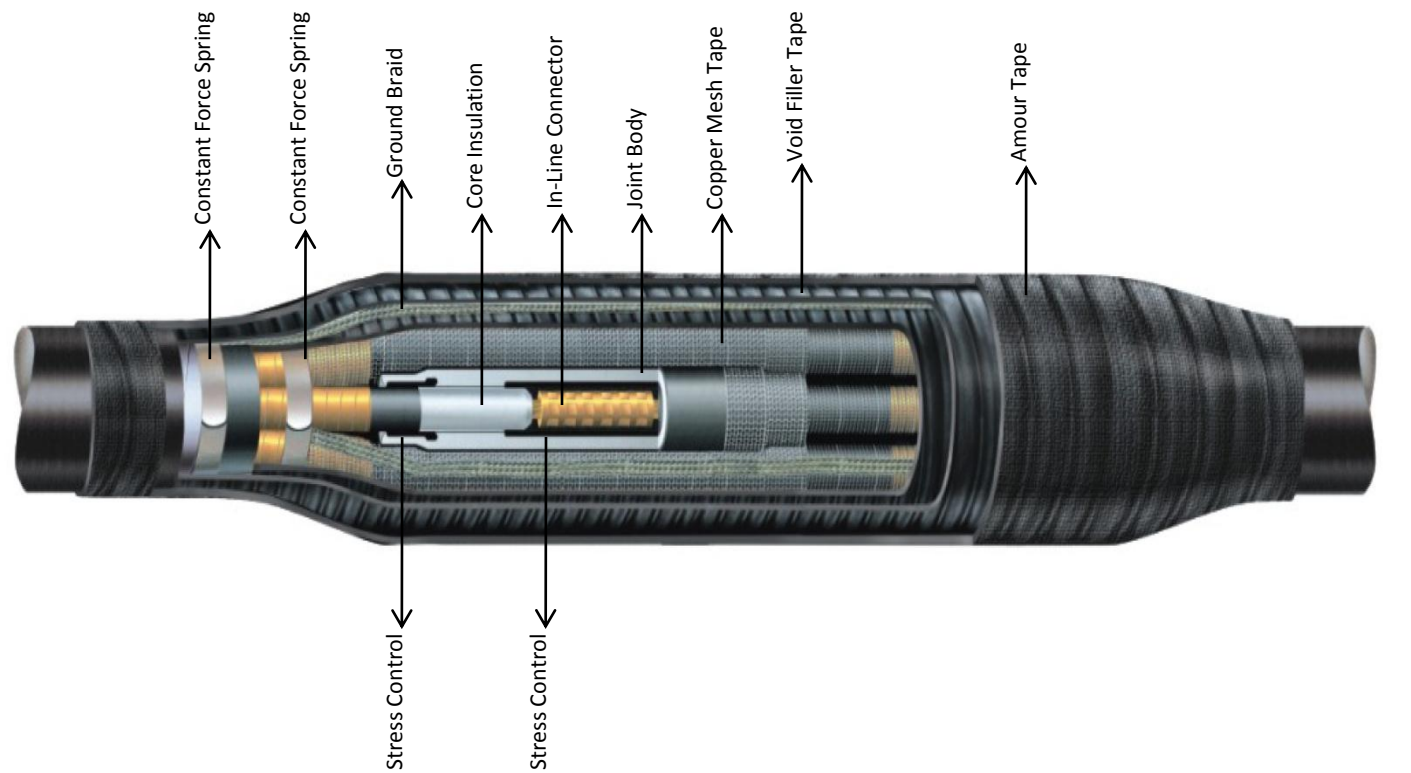
### KIT SELECTION GUIDE

CABLE SIZE	KIT CODE FOR 11KV	KIT CODE FOR 22KV	KIT CODE FOR 33KV
3 X 16-50sq.mm	CSI – 1	CSI – 6	CSI – 11
3 X 70-95sq.mm	CSI – 2	CSI – 7	CSI – 12
3 X 120-185sq.mm	CSI – 3	CSI – 8	CSI – 13
3 X 240-300sq.mm	CSI – 4	CSI – 9	CSI – 14
3 X 400sq.mm	CSI – 5	CSI – 10	CSI – 15



COLD SHRINK STRAIGHT JOINTS

CSS-1133 SERIES



KIT COMPONENTS

1.	Silicon Rubber Joint Body	9.	Silicone Grease
2.	Void Filler Mastic Tape	10.	Cleaning Solvent
3.	Armour Cast Tape	11.	Mopping Cloth
4.	Constant Force Spring	12.	Emery Tape
5.	Ground Earthing Braid	13.	Glove
6.	In-Line Connector	14.	PVC Adhesive Tape
7.	Semi-Conducting Tape	15.	Installation Instruction Sheet
8.	Copper Mesh Tape		



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3 X 120-185sq.mm	CSS – 3	CSS – 8	CSS – 13
3 X 240-300sq.mm	CSS – 4	CSS – 9	CSS – 14
3 X 400sq.mm	CSS – 5	CSS – 10	CSS – 15



## MASTER ELECTRICALS

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