

# Do's and Don'ts

## Medium Voltage Cable Jointing

Good cable preparation techniques and subsequent cable accessory installation will provide long term reliability. Poor cable preparation will lead to early product failure along with the associated high costs of corrective action.

We cannot stress enough the importance of cable jointer training and carefully following the accessory manufacturer's instructions. Here are some common areas of concern and recommendations.

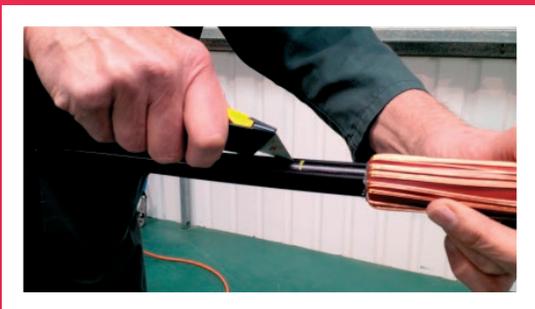
### Semi-Conductive Screen Layer Removal - Easy Strip



Never use a knife to mark the screen cut. This could result in high electrical discharge at the screen end.



Use a round file around the core which leaves a perfect beveled screen end.



Never use a knife to score the screen longways. Damage to the primary insulation beneath may occur.



Use a screen scoring tool set to the correct depth to score lengthways, making it easy to peel the screen layer away.



**Shrink Polymer Systems**  
Cable Installation Materials – 24 volts to 36 kV

Unit E3, Crown Way, Crown Park Industrial Estate, Rushden, Northants, UK, NN10 6FD  
Tel: +44 (0)1933 356758 Fax: +44 (0)1933 413821 Email: [info@shrinkpolymersystems.co.uk](mailto:info@shrinkpolymersystems.co.uk)  
Skype: [shrinkpolymersystems](https://www.skype.com/add?contact=shrinkpolymersystems) [www.shrinkpolymersystems.co.uk](http://www.shrinkpolymersystems.co.uk)

# Semi-Conductive Screen Layer Removal - Bonded Screens



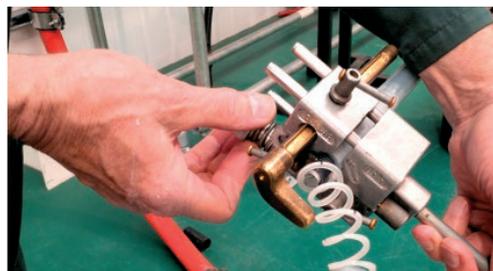
Do not use glass to remove the screen layer. This may remove too much insulation and leave scrape marks in the primary insulation.



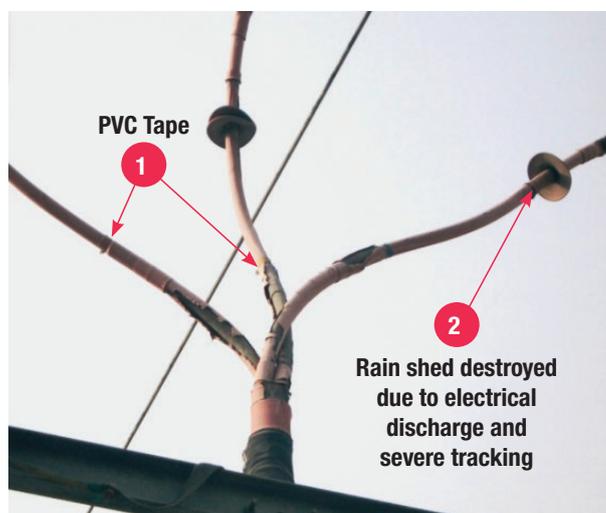
Tools are readily available that very quickly remove the screen layer. More importantly, they do it correctly every time.



Avoid using blunt knives to remove insulation. Uneven removal and damage to conductors may result as well as danger to the installer.



Tools are available to quickly and correctly remove primary insulation. Chamfering tools are advised for 36kV and above.



The picture shows a poor quality cheap termination but with some errors as follows:

1. Remove PVC tape phase markers after connecting the cores. PVC tape tracks and ages, allowing pollutants to gather under the tape causing further tracking and electrical discharge.
2. Ensure shed collars fully shrunk and have not moved during installation. Re-heat if necessary to avoid gaps behind collar where pollutants will gather and discharge.

**Jointer training courses are available**

For free jointer training videos, see our website:

[www.shrinkpolymersystems.co.uk](http://www.shrinkpolymersystems.co.uk)

and our Youtube channel



**Shrink Polymer Systems**  
Cable Installation Materials - 24 volts to 36 kV

Unit E3, Crown Way, Crown Park Industrial Estate, Rushden, Northants, UK, NN10 6FD  
Tel: +44 (0)1933 356758 Fax: +44 (0)1933 413821 Email: [info@shrinkpolymersystems.co.uk](mailto:info@shrinkpolymersystems.co.uk)  
Skype: [shrinkpolymersystems](https://www.skype.com/en/contacts/shrinkpolymersystems) [www.shrinkpolymersystems.co.uk](http://www.shrinkpolymersystems.co.uk)