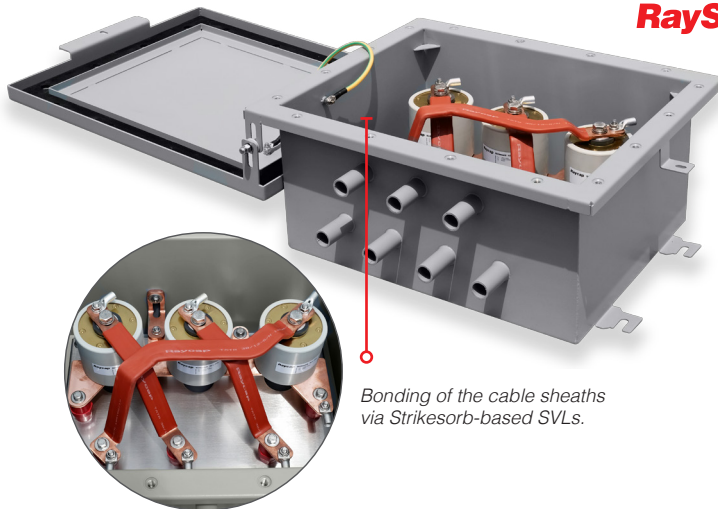


RaySheath and RaySVL Cross-bonding Protection of Medium-voltage Cables

The underground medium voltage network connecting wind and PV parks with the high voltage substations suffers from circulating currents and lightning strikes. This affects the reliable connection of the parks to the transmission grid.

Raycap undertakes the cross-bonding study and develops tailor-made protection systems for the screens of the cables (Sheath Voltage Limiters). The systems are based on Strikesorb technology, which can withstand both short-circuit currents and direct lightning strikes, offering a very low residual voltage, in contrast with conventional technology SVLs.

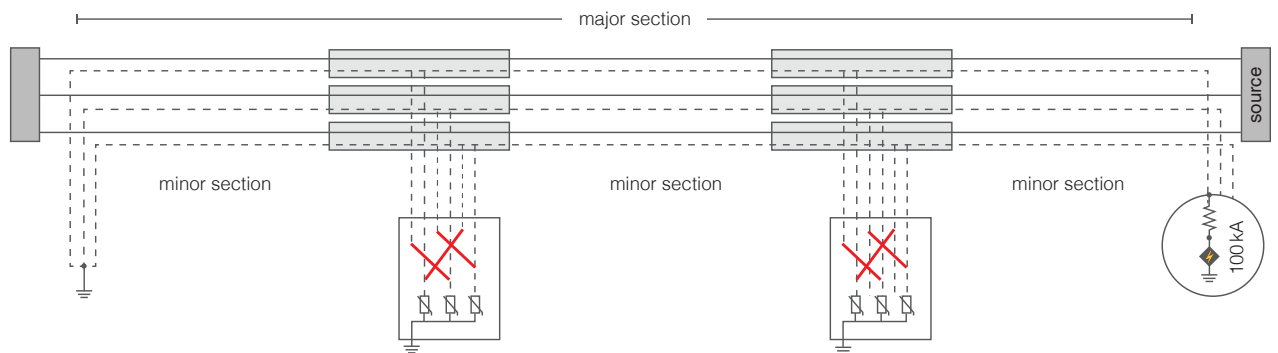
RaySheath



Bonding of the cable sheaths via Strikesorb-based SVLs.

RaySheath Overview:

- Accommodates the bonding of the cable sheaths via Strikesorb-based SVLs, to reduce the circulating currents on the screens
- Protects the sheath of the cable from lightning and surge activity
- Appropriate for installations above or below ground
- Water and dust-resistant enclosure – IP 68



RaySVL Benefits:

- RaySVL – Strikesorb-based Sheath Voltage Limiter
- High lightning and multiple surge current handling capability
- Maintenance-free operation
- Safe elimination of internal fusing ensures protection at all times and under all circumstances
- Low let-through voltage to enhance system reliability
- High short-circuit current ratings
- 10 year global product warranty
- More than 20 years lifetime

Strikesorb®

