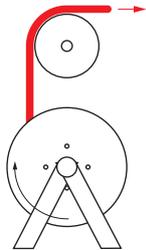


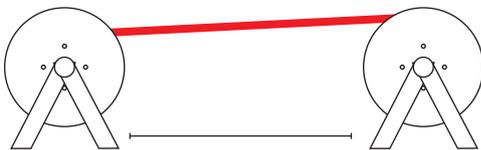
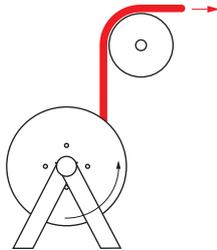
# INSTALLATION NOTES FOR REELING CABLES

## 1. Installation of Reeling Cables

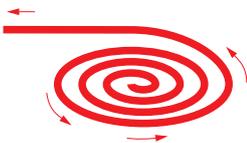
Correct



False



Correct



False



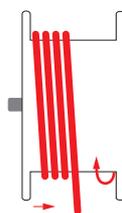
### S-stranding

(left-hand lay) from bottom-right to top-left

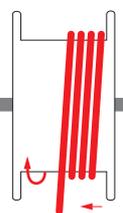


### Drum rotation

Correct



False



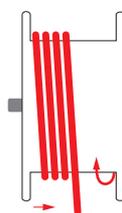
### Z-Stranding

(right-hand lay) from bottom-left to top-right

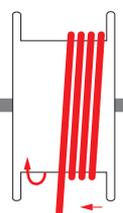


### Drum rotation

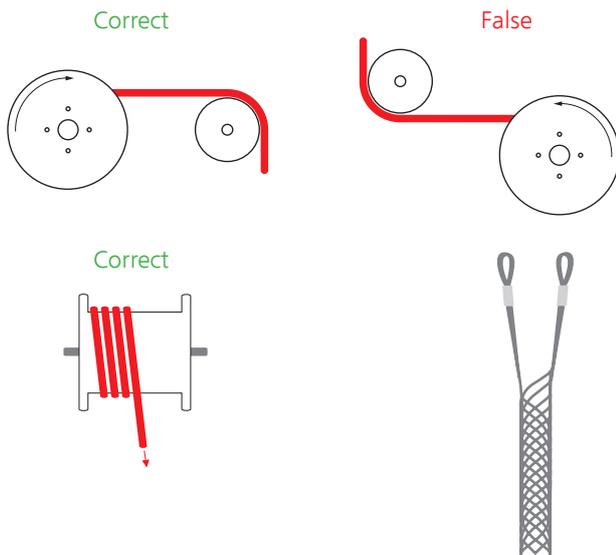
False



Correct



1. Ensure that the cable does not run when winding and unwinding.
2. The cables are to be pulled off the delivery drum without twisting by pulling the cable with a cable grip. Avoid redirecting or pulling over edges.
3. In any case, the cables are to be wound onto the device drum without tension (torsion).
4. Use the largest distance possible between the supply drum and the device drum.
5. At high lifting heights, it must be ensured that the cable can fully unwind along its entire length before the system is put into operation.
6. Take note of the minimum bending radius before winding rings. In the case of rings, the cable must be unrolled tangentially.
7. When winding the cables onto the device drum, the stopper should be selected according to the lay direction of the wires.



8. An S-shaped deflection of the cables is to be avoided.

9. In case of extended cable, 2-3 turns must remain on the equipment drum.

10. To secure the cable, use a cable grip. Deforming or compressing the cable must be avoided!

## 2. Cable attachment/strain relief - plug side/drum side

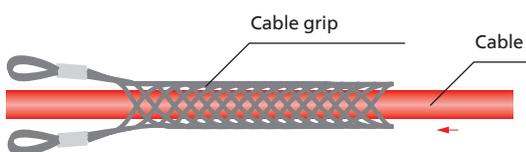
Cable grips are a fast and secure tool for the gentle and strain-relieved suspension of cables and wires. The tension force of the grip sleeve is transferred to a long cable section through the flexible wire mesh. With cable grips, there is no load point that could lead to wire breaks, such as those caused by cable clamps. Cable grips are used for stationary attachment of cables to out-

door transformers, switch cabinets, machines, equipment such as elevators, cranes, etc. They are suitable for pulling cables.

### Description of the structure:

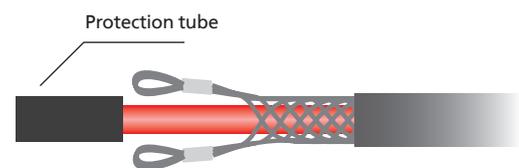
Cable grips are hand-woven. Standard galvanised steel (VA) for normal climate conditions. For outdoor environments, using stainless steel cable grips is recommended.

### Mounting the cable grip - The following procedure should be followed:



#### 1. Working step:

Pull over the cable grip (pay attention to the outer diameter of the cable)



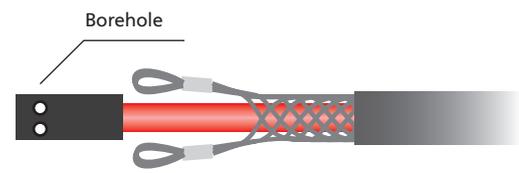
#### 3. Working step:

Attach protective hose/hydraulic hose as impact protection



#### 2. Working step:

Slide shrink tube on a minimum 20 cm, 30 cm is optimum



#### 4. Working step:

Drill holes with a diameter of 9mm, for drainage purposes, at a distance of 6-7 cm from the beginning of the protective sleeve

### 3. Important Notes

This is an installation recommendation and must be adapted according to the application parameters. Guarantees/warranties are excluded.

#### Technical modifications

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**If you have any technical queries, please do not hesitate to contact us:**  
**[techsupport@helukabel.de](mailto:techsupport@helukabel.de)**