

# TRANSPORT

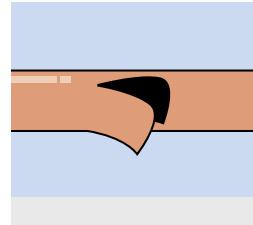
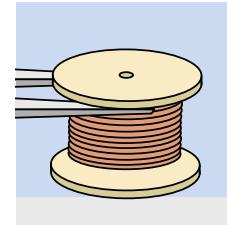
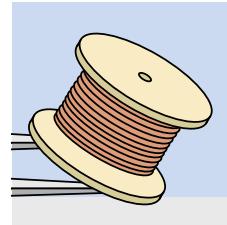
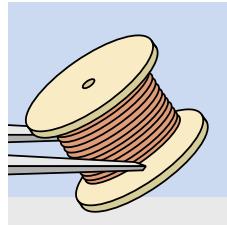
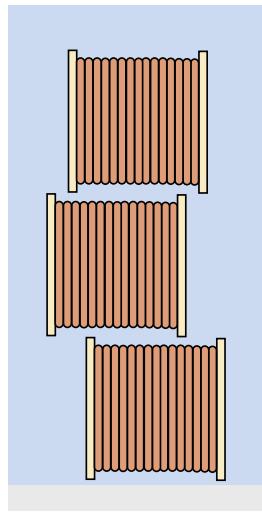
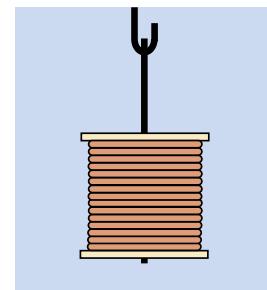
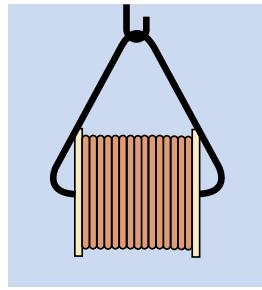
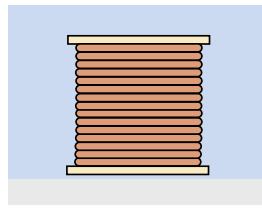
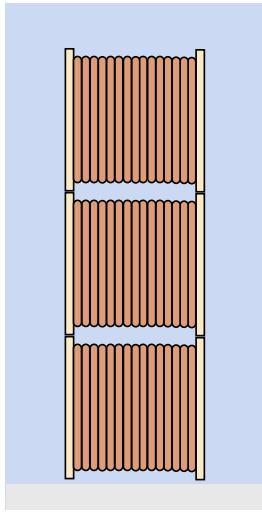
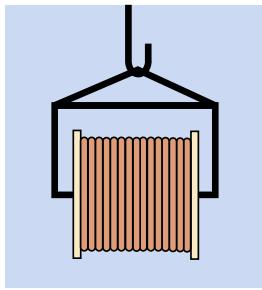
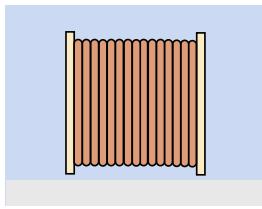
Handling and storage procedures  
for cable products.



# Transport, handling and storage guidelines

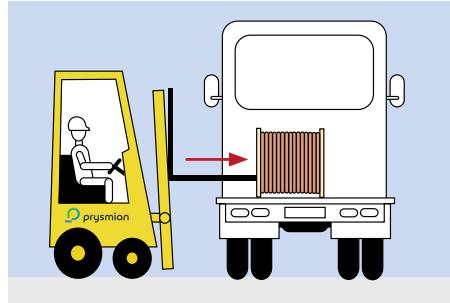
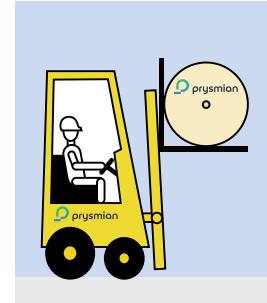
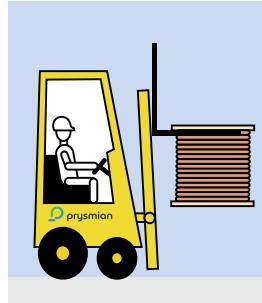
The purpose of this guide is to ensure all Prysmian product is delivered safely, in good condition and that paperwork is correctly completed and returned as a proof of delivery.

## Always use appropriate safety measures

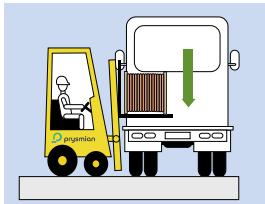


Do not attempt to lift drums of cable without inserting the fork lift tynes fully under both flanges as the tynes can damage the cable, making it unserviceable. Do not attempt to lift drums by the flange or to lift drums into the upright (correct) position by lifting the top flanges as it may break the flange from the drum barrel. The drum will then be undeliverable. Use a length of steel pipe through the centre of the drum to provide leverage and control.

This cable has been rendered unserviceable through fork lift tyne damage and may necessitate the scrapping of the whole drum.

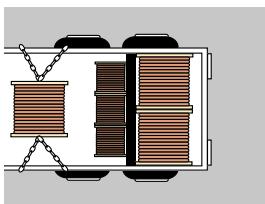


Do not use the fork lift tynes to push cable drums sideways on a truck tray or the ground as damage to the flanges can result in the drum being unacceptable to customers.

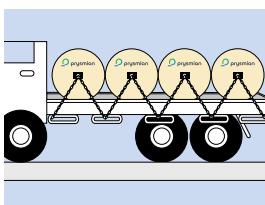


Prior to lifting any drums, ensure the site has suitably rated mechanical handling equipment to handle the drum.

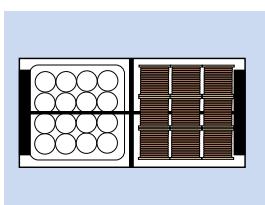
Lower drums gently onto the ground or transport.



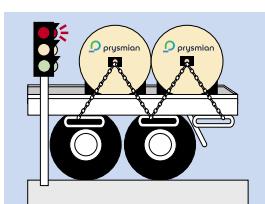
Always protect cable from rubbing or damage. Adjust load or consider using separators such as carpet, ply or corflute between products for protection.



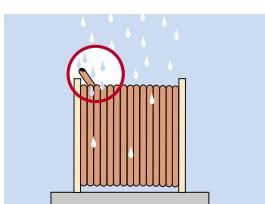
Heavy drums should be chained appropriately for transit, with protection from the chain rubbers or carpet for the spindle hole in the centre of the drum. Under no circumstances are drums to be transported on their side.



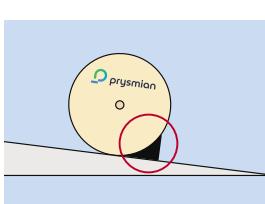
Always protect product, especially spools, against load restraint damage during tying down of load. Consider using angles or carpet under straps, chains and rope.



Ensure drums are restrained to restrict movement during sudden stop/start.



Ensure cable sealing is intact so moisture cannot seep into cable. Report damage.

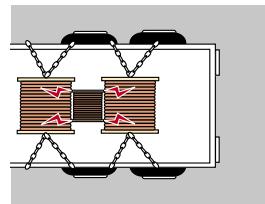
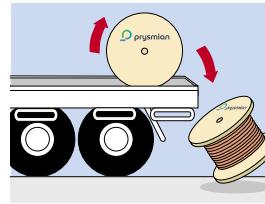


When placing drums on an uneven surface be prepared to chock drums to prevent rolling if required.

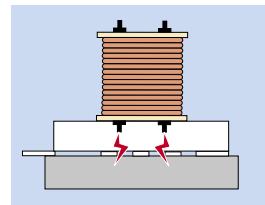


Avoid impact force loadings.

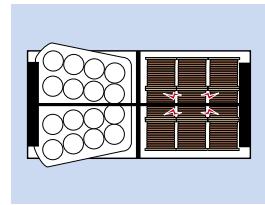
Never drop drums.



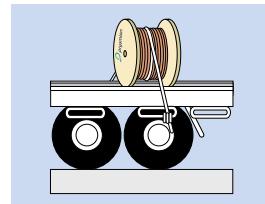
Never let drum flanges contact cable on adjacent drums.



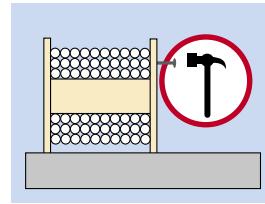
Never lay drums on their side, even on top of pallets, as protruding bolts damage spools and cable.



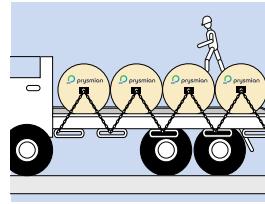
Never use rope directly over shrinkwrapped cable.



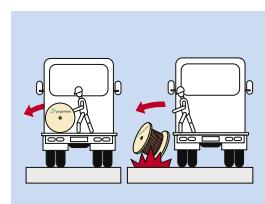
When securing drums for transit, do not place ropes or chains over cable as damage can occur to the outer insulation rendering the cable unserviceable.



Avoid use of additional nails on drums or cable. Flange thicknesses vary and some customers prohibit their use.



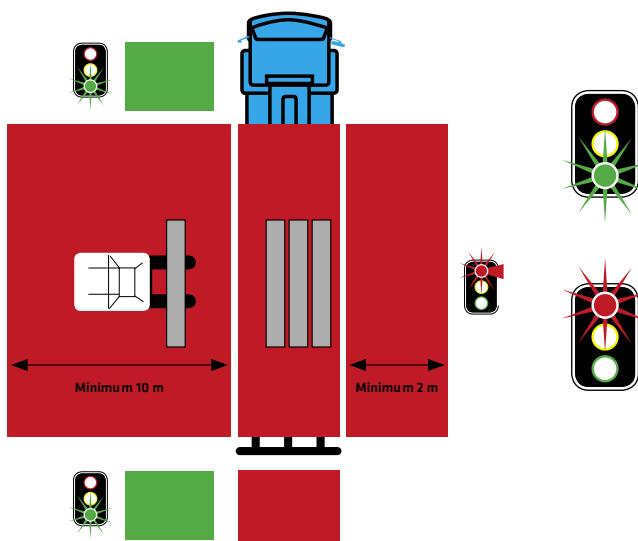
Never climb or walk over products loaded on the truck. If you must get onto the tray, do not go higher than the deck height.



Do not roll cable drums from the back of a delivery truck to the ground as the resulting flange damage will be unacceptable to the customer as the cable will not be able to be rolled off the drum the drum and will need to be returned.

# Unloading – safety exclusion zones

At all sites, you should determine if the area is safe to undertake the loading and unloading task, that you can establish a safety exclusion zone with cooperation of site representatives, and that appropriate lifting equipment is available. If it isn't, contact your manager for further advice so alternative arrangements can be made.



## Use this guide to set up your safety exclusion zone.\*

### GREEN ZONES

Safety exclusion zone when mobile equipment is operating in red zone. Ensure visual contact is maintained with mobile plant operator.

### RED ZONES

People are not allowed in this zone whilst mobile plant is operating. Ensure its engine is off before entering

\* This is a recommendation only. A proper risk assessment following local HSE practices needs to be conducted on a case by case basis.

## Storage recommendations

When storing cable drums for long periods, please take the following guidelines into consideration:

- Select a site for storage that is level and dry, preferably indoors with a concrete surface, with no risk of falling objects, chemical spills (oil, grease, etc.) open flames and excessive heat (see fig. 1).
- If concrete hard storage is not available, select a well-drained surface that will prevent the reel flanges sinking into it (see fig. 1).
- The drums must always be stored with their flanges vertical. Leave enough space between stored drums for air circulation (see fig. 2).
- If drums are stored in a high traffic area (fork lifts frequent transit) suitable barriers should be erected to prevent damage from moving equipment (see fig. 2).
- The bolts should be tightened at regular intervals. During storage, the drums should be rolled to an angle of 90°C every three months (see fig. 3).
- When only a portion of the cable is used, the open end of the cable remaining on the drum should immediately be re-sealed to prevent the entrance of moisture. Once it has been re-sealed, the cut end should be fixed to the inside edge of the drum flange to prevent the end from extending beyond the flanges during drum movement.
- When it is required to rewind the cable on to another drum, always consider that the diameter of the new drum barrel should be at least the same size of the original drum barrel diameter (see fig. 4).

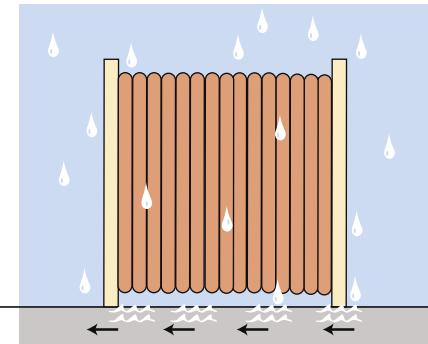


Fig. 1



Fig. 2

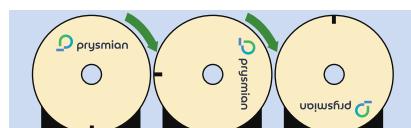


Fig. 3

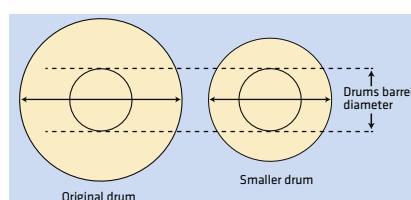


Fig. 4



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