

GUIDE TO GOOD PRACTICES OF OUR FIBER OPTIC CABLES



- **PACKAGING**
- **HANDLING**
- **STORAGE**
- **WORKOVER**

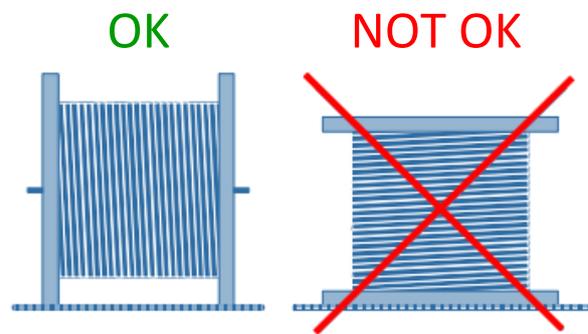
1. PACKAGING

1.1 Reels

With the exception of optical cables of small dimensions, which can be supplied on coils or plastic reels (small reels), the products are delivered on reels wood of capacity and mechanical resistance appropriate to the dimensions, weight and lengths of the supply.

1.2 Rings

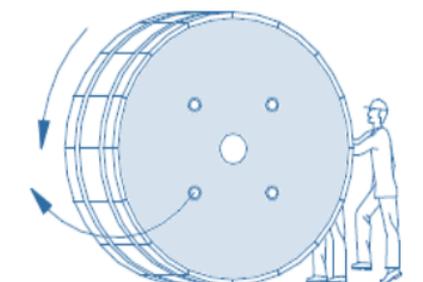
The small diameter cables can be packaged in crowns: these crowns are maintained by heat-shrinkable films and / or by appropriate links to ensure good performance during transport. The use of tape applied directly to the cable is prohibited. The crowns are delivered individually or on pallets.



In the case of palletizing, the crowns are secured together and with the pallet by a plastic film stretchable or heat-shrinkable, the assembly must be able to withstand handling and transport without damage.

2. HANDLING

When handling, storing, loading, transporting and unloading products, precautions must be taken to avoid damaging the product or hindering its subsequent use.



2.1 Handling of reels with horizontal axis

1 / Using a manual or motorized forklift, suitable for the load:

You must :

- adjust the pitch of the forks to the diameter of the drum to ensure the load stability during handling.
- present the carriage in the axis of the drum.
- position the forks in a horizontal plane
- engage the forks on both sides of the drum, and make sure that the forks go beyond the cheek furthest from the carriage.
- transport the drum to its place of storage.
- put the drum when the carriage is stationary.

WARNING

Do not handle the drum by putting the forks under the upper cheek to avoid damaging the reel and cable.

a) Using a manual and motorized forklift: The reels must be inverted and straightened with care in order to respect their integrity; they are usually handled on pallets. In the case of handling without a pallet, care must be taken not to damage the bottom cheek when loading and unloading by forklift using, for example, two bastaings as support.



2.2 Handling pallets and reels on pallets

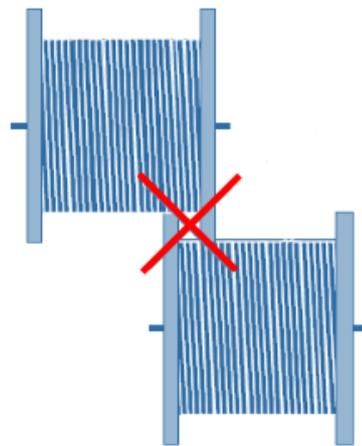
Pallets must be handled with a manual or powered pallet truck or forklift truck. The handling equipment / pallet combination must be designed in such a way that the pallet and the product it supports are not damaged during handling; in particular the spacing, the width and the length of the forks must be such that one can grasp on the forks the whole pallet without damaging it.

3. STORAGE

3.1 Stockage area

Storage under cover is mandatory for optical cables for indoor installation under penalty of degradation of the sheath and its color.

Polyethylene sheathed cables can be stored outdoors, but they must be protected from direct sunlight until the cable has been completely laid.



3.2 Cleanliness

The floor must be clean. There should be no metal parts, planks or pieces of studded wood, stones, nails, riders, etc. that could damage the products.

4. WORKOVER

During a possible repackaging of optical cables, precautions must be taken to ensure that the cable retains all its characteristics. Indeed, during a repackaging the cable may be damaged. To avoid this, the cable tension must be constantly checked and the operation will be done with a tensile force in accordance with the technical specifications or applicable standards.

For this, the unwinding and winding feet must be equipped with a cable tension control system to avoid jolts during stops and starts. The radius of the pulleys of the repackaging devices will necessarily exceed the dynamic radius of the cable or 10 times the diameter of the cable. The repackaging of the cable must be done in contiguous turns over the complete width of the drum and it must not have an overlap of turns.

