



Vocom - Nanjing Wasin Fujikura (NWF) OSP Cable Reel Handling and Storage

Critical Requirements (please read carefully)

1. Vocom-NWF is the major service contact point throughout the cable reel shipping and storing process. Therefore, the freighter and its working partners must abide by instructions from Vocom-NWF any time to ensure shipping quality and customer satisfaction.
2. In case of **any damages** found in the reels during the transport process, the freighter and its working partners must pause the work right away and contact Vocom-NWF at vocomfiber@vocom.com or 213-627-8999 for emergent solutions.
3. The freighter and its working partners should **never ever** ship/deliver a damaged reel(s) to the receiving customer/end user, or the freighter will be held accountable for any consequences caused.

Shipping and Transport

- All reels must be shipped upright. Shipping the reel on its side can cause damage to the reel flange and/or cause the cable layers to shift. This may cause damage to the cable by causing it to snag during payoff.
- Reels must be moved upright by lifting the cable with a fork lift or reel mover. The forks must be placed under the reel with the forks always perpendicular to the reel flange. (Note: unless the reel is binding with a pallet)

Storage and Handling

- Reels must be stored upright. Reels must not be stored on their sides.
- Store reels in areas with flat, solid surfaces. Use appropriate devices to prevent reel movement.
- Avoid storage areas that are susceptible to flooding, or that could be hazardous to the cable, such as sharp, rocky terrain.
- If reels are to be rolled, they should be rolled in the direction of the arrow on the reel.
- Rolling reels in the opposite direction may cause the cable to become loose and cause difficulty in installation.
- The reel should not be dragged or pushed even for short distances as the flange of the reel may break or be damaged. Communication cable reels should be lifted completely or rolled for moving.
- Cable end caps should remain in place until installation.

Installation

- The reel must remain in an upright position for paying off the cable.
- All safety precautions for securing the reel prior to placing should be followed.
- Prior to removal of the cable from the reel, the reel flanges should be examined for splinters or protruding nails, staples, etc. that could damage the jacket of the cable as it is being unreeled.
- When the drum is mounted on cable jacks in order to draw off, lay, or re-spool cable, it is rotated in the direction opposite to that indicated by the arrow (see Figure 3 on page 2).
- Cable end caps should be installed /replaced on all cable ends.



TECHNICAL GUIDELINE

- When installing long lengths of small diameter OSP cable stored on large wood reels, the inside end of the cable has a tendency to creep through the start hole in the reel flange when the drum is rotated. Special care is required to prevent cable damage due to this phenomenon.
- Damage occurs when the start or inner end is left secured to the cable reel or catches on something and is not allowed to pay out. The cable can back into the reel causing buckling in the traverse or be forced between the layers of cable above (see Figure 1 below).
- Releasing the start end and managing any payout cable is highly recommended to prevent cable damage.



Figure 1

Detach cable start end from reel.

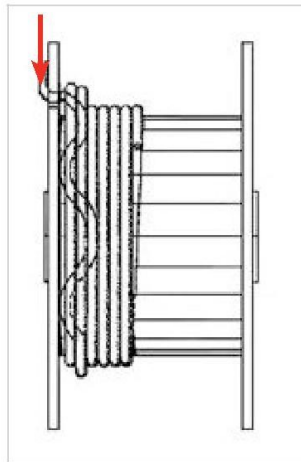


Figure 2

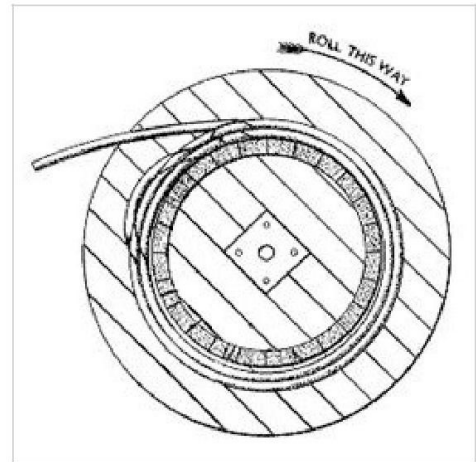


Figure 3

Other Reels

- Cables (including cuts and remnants) that are transferred to other reels should be wound onto communications cable reels of sufficient size and substance to accommodate the cable and the environment. In general, compare to the original reel, adjusting for cable length if needed. If in doubt, contact Vocom-NWF Technical Support at vocomfiber@vocom.com for specific recommendations.
- Thermal wrap may be used to protect cables from exposure to direct sunlight, if desired.
- Cable end caps should be installed on all cable ends.
- Both cable ends should be secured.
- Follow all above recommendations for shipping and transport, storage and handling, and installation.