

# Handling and Installation Lutze Superflex® – Quick Overview

## 1) Selecting Cables for Continuous Motion Applications – C-Tracks

We recommend special high flexing cables such as Lutze Superflex® cables, for use in C-tracks to ensure long life times:

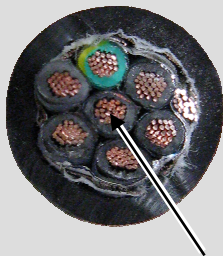
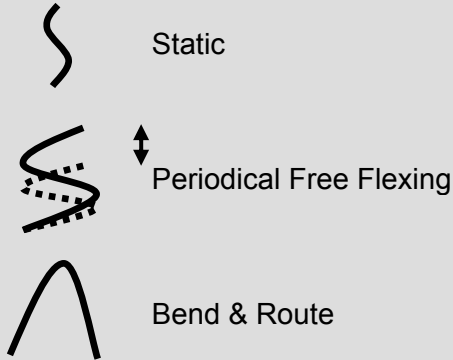
- All Lutze Superflex® cable is proven to be compatible with all major brands of C-tracks.
- Lutze Superflex® N is designed for moderate flexing in short to medium length C-tracks.
- Lutze Superflex® Plus **PUR** is designed for high performance flexing or longer C-tracks.

High Flexing Cables such as Lutze Superflex® cables, are different from standard flexible cables:

### Standard Flexible Cables



- Low number of strands per conductor
- longer pitch layering
- designed as a pliable cable for easy routing and installation

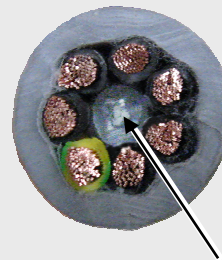


- no central core
- mostly PVC as insulation material
- foil shield or braid shield
- jacket material depends on application

### High Flexing Cables - Lutze Superflex®



- high number of super fine strands per conductor
- short pitch layering
- conductors are cabled without back twist
- higher quality of materials
- slower and more complex manufacturing process on high-end equipment
- designed for linear constant motion

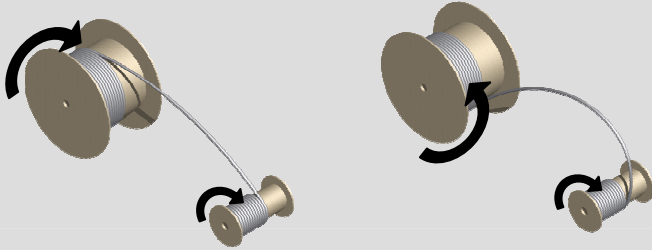


- central core for single layer construction
- special PVC or TPE as insulation material
- tinned copper braid shield
- high abrasion resistant jacket material such as PUR

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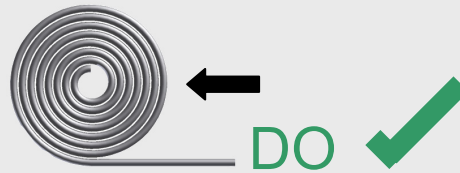
## 2) Correct Handling of Lutze Superflex® Cables

- When unreeling the cable, do not change the bend direction. The cable has to go on the new reel in the same direction it came off the reel. Low and equal tensile force during spooling!



DO ✓ DO NOT ✗

- Ring put ups require careful uncoiling by rolling the ring upright over the floor.

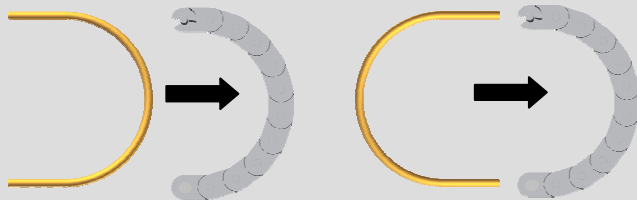


- Do not twist the cable when unwinding. Always unwind straight from spool.



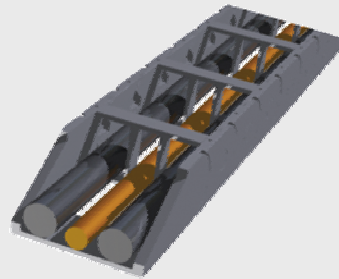
## 3) Correct Installation of Lutze Superflex® Cable

- Cable retains bend from reel. Do not flex against original bend or relax cable for 24 hrs by laying it flat.

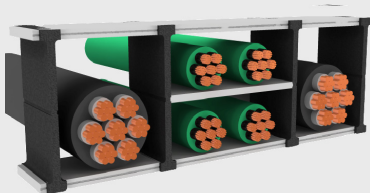


DO ✓ DO NOT ✗

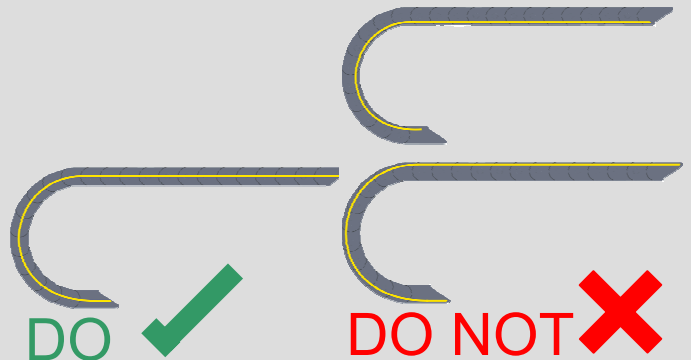
- Try to ensure balanced weight distribution. If you have more than one heavy cable, we recommend installing the heavy cables evenly to each side of the track.



- Use dividers horizontally and vertically to separate the track into separate cavities. Install just one cable per separated cavity. If absolutely necessary, two small or a small and a big cable can share a cavity.



- Observe the minimum bending radius for optimum performance. Make sure that all cables are length-adjusted and run in the neutral zone.



For further information please visit: [www.lutze.com/superflex](http://www.lutze.com/superflex)