

# CL SOLID

## REDUCED LIGHTNING STRIKE VULNERABILITY

MADE IN SWITZERLAND  
SINCE 2000

GL CERTIFIED  
AS 9100D AEROSPACE & DEFENCE CERTIFIED



# 01 PREVENTATIVE & REACTIVE

## #1 FULLY INTEGRATED FITTINGS

- Carbon is in direct contact with the fitting, which is in direct contact with the hull
- Resulting in a direct path of least resistance to the ground
- Any static charge caused by electrical or magnetic fields decays immediately
- There are no bonded joints to isolate the flow path

## #2 PREVENTS STATIC CHARGE

- High conductivity and direct path of low resistance
- Prevents static charge from building up in the system
- Therefore significantly reducing the probability of a strike

## #3 THOROUGHLY TESTED

- Various laboratory tests at ETH Zurich to better understand cause and effect
- Carbo-Link have supplied over 12,000 solid carbon crane cables to Liebherr
  - Cranes reaching heights of 220m
  - Zero lightning strike issues
- Numerous strikes on CL SOLID rigging - M5, Skade, Lot 99 - with no damage

## #4 AERO-GRADE LIGHTNING STRIKE PROTECTION [LSP] CAN BE INTEGRATED

- A highly-conductive mesh layer can be laminated into the cable
- Further reduces electrical resistance and increases conductivity
- Carbo-Link helicopter blades featuring aerospace approved and certified LSP

