

Koninklijk Nederlands Instituut voor Zeeonderzoek





## Old deep see cable:

- 20mm, manufacturer: Cousins
- Aramid, Copper conductor and fiber optics.
- At time of purchase (2010): 9600m, breaking strength 20tons
- After 1 year: breaking strength down to 10 tons, but stable since.
- Reason to look at a new cable: we want to get more power to the sea floor.



## New cable

- We looked at Dynema, Vectran, Aramid
- More complicated because we use a double traction winch
- 2 options: Cousins again or a new manufacturer
- Cousins twice as expensive!
- Test piece: 300m.
- Crane, 35m high, weight 3600kg.
- The test is to haul up and lower the weight 1000 times.













