

## CASCADE



Technology developed by

# SENSITIVE CAPACITIVE CABLE

# SAFETY

# COLLABORATIVE ROBOTICS

## SENSITIVE CAPACITIVE CABLE ROBOT FOR OBSTACLE DETECTION

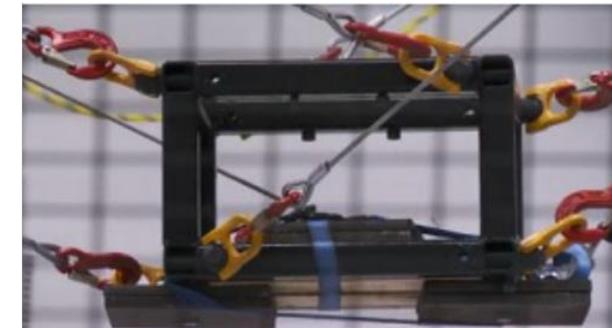
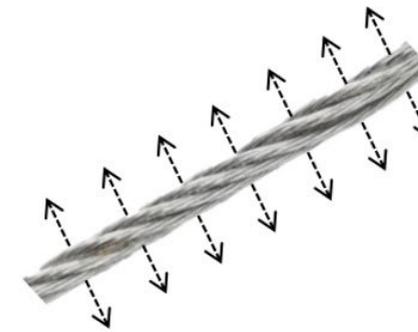
Proximity-sensing cable for obstacles (human, object...), enabling the detection of a presence/intrusion within the perimeter near the cable using capacitive sensors.

### Other technical details:

- Electrical potential of the cable core
- Induces the shielding, which emits an electric field around it
- Any intrusion into this field changes the capacitance of the cable core

**Cable characteristics** : Traction/lifting / Detection up to 45 cm / Power and data transmission

**Advantages** : Contactless detection of all materials / Insensitive to interference and impurities / Ability to detect and stop a moving object before contact with an obstacle (equipment or human) within its operating field.



**Partnership** : Co-development; License agreement

**IP** : Patent (<5 years)

**TRL** : 6