

P | CUSTOMIZED CABLE REELS

Cable reels with hybrid cable

- **Our cable reels handle more complex power and data transfer than ever before.**

THE SYSTEM OF TODAY AND THE FUTURE REQUIRES a more complex transmission of power and control than we are used with. The expectations of IOT are also increasing into more moving platforms. This requires that the available standard cable reels, do not always fulfil the requirements.

Penlink can supply customized hybrid cable, that can combine power transfer, with high bandwidth DATA, video and control signals. Either it's Ethernet, Bus-signals or Fiber optical, we can offer a customized cable suitable for your applications environmental and mechanical requirements.

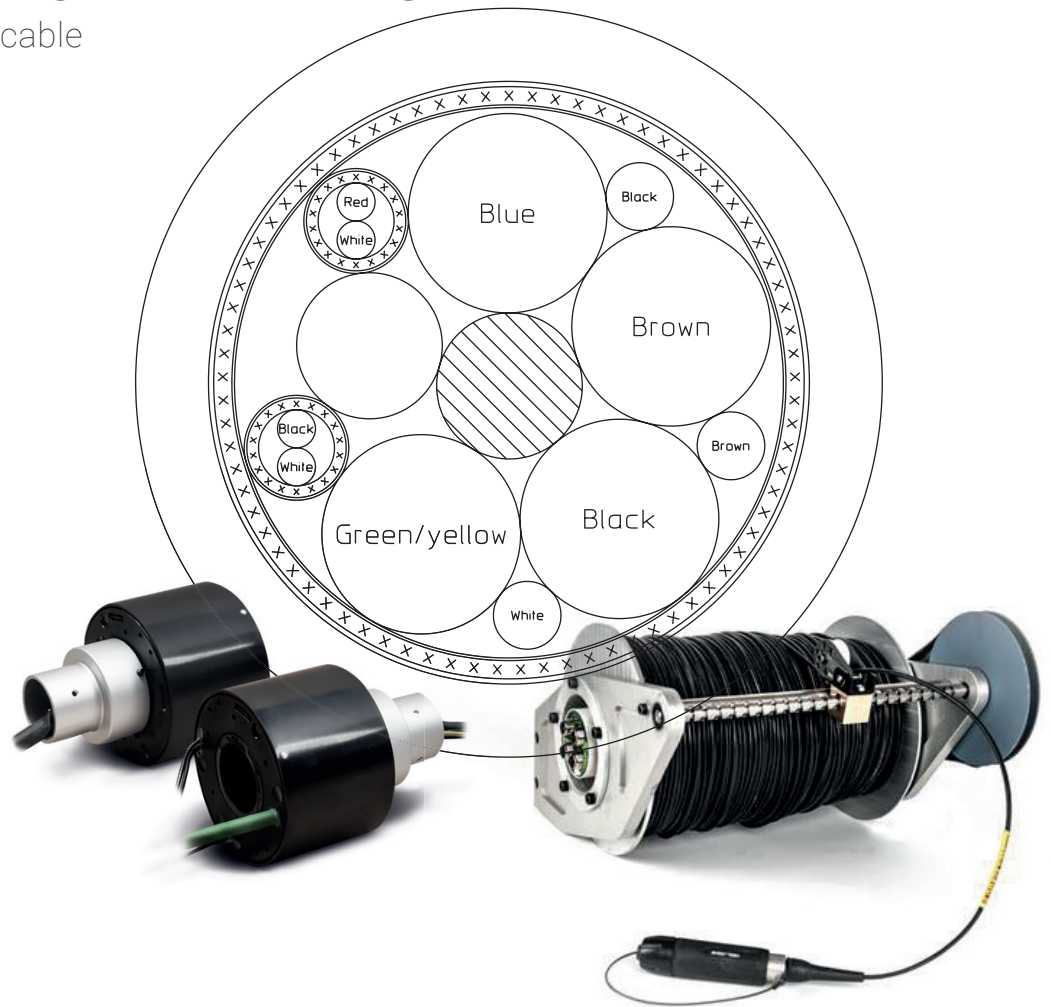
This is then installed into a motorized, spring driven or manual cable reels, designed according to your applications.

PENLINK



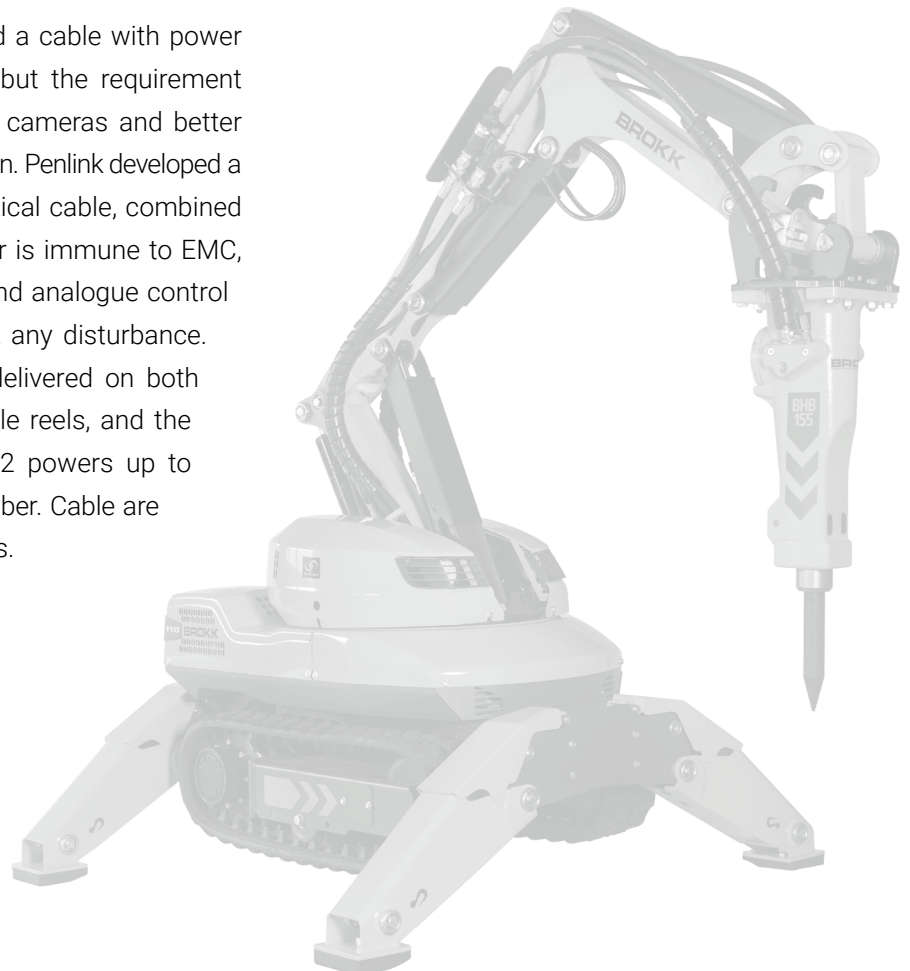
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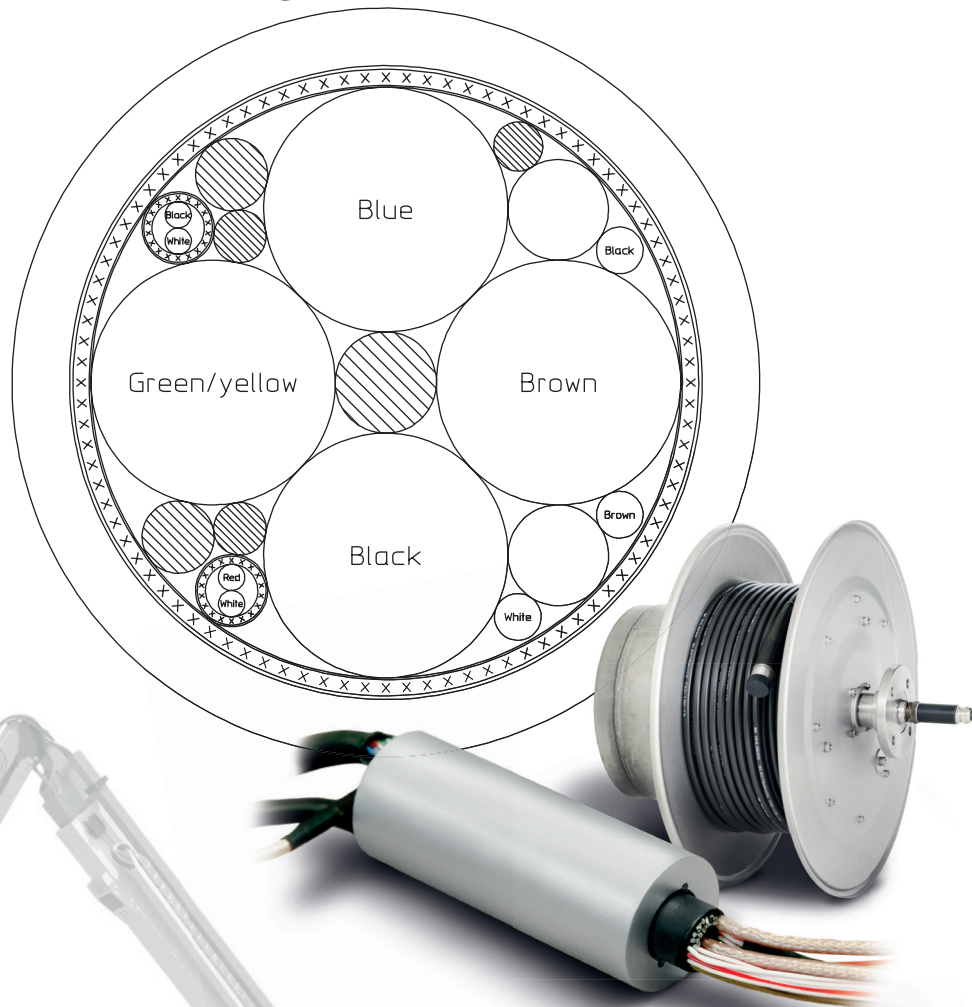
REMOTE SURFACE OPERATED VEHICLE

In this project the customer used a cable with power combined with analogue video, but the requirement from the end customer of more cameras and better control ability required a new solution. Penlink developed a cable with an integrated fiber optical cable, combined with the power circuits. The Fiber is immune to EMC, and allowed several HD videos and analogue control signals to be transferred without any disturbance. The cable and the slip ring, is delivered on both Spring driven and motorized cable reels, and the cable is in ranges from 4x6mm² powers up to 35mm² powers combined with Fiber. Cable are ruggedized for harsh environments.



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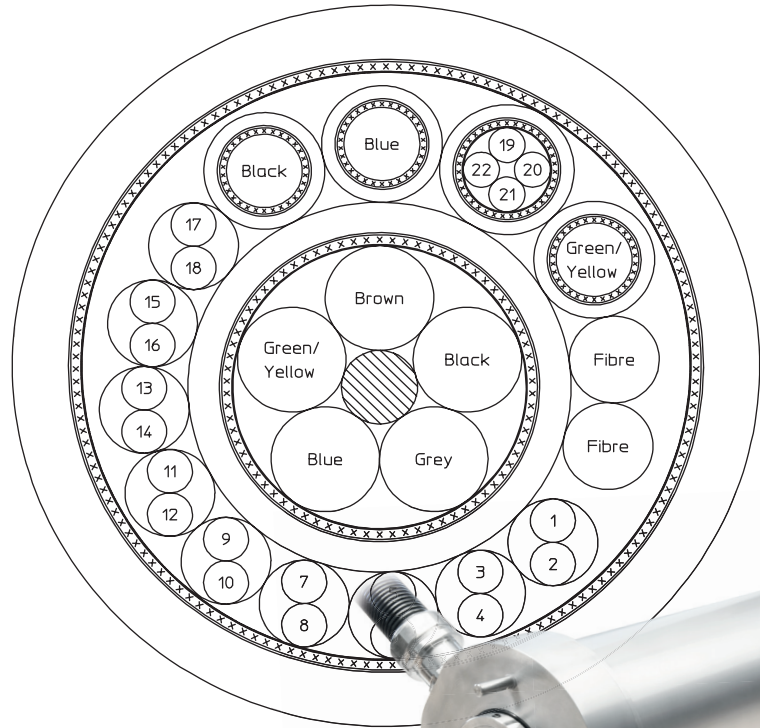


VIDEO PAN AND TILT TO A TELESCOPIC BOOM

In this project the customer used a flex cable for transferring video, power and control system, to their Pan and tilts camera that is installed on telescopic booms. The new customer requirements of longer extensions on the booms requires spring driven cable reels. Penlink designed a compact slip ring with high-definition video combined with the power and control signals. The final solution is installed with Military grade connectors into our stainless steel cable reels.

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MOVING PLATFORM

In this project the customer was developing a moving platform, that is moving up and down like an elevator. The platform was going to be used both as a bar and restaurant. It required a high power consumption to different systems, a very long lifetime in a harsh environment, and several independent control systems, video and data. Initial setup required 6 different cable reels. Penlink delivered a single motorized cable reel, with an electro-optical slip ring, and a customized cable. All components are designed for the harsh marine environment and extended lifetime.

With Penlinks knowledge and experience in the slip ring and our network of cable reel and cable manufacturer, we can offer a full system delivery, of both larger and smaller reel, to all type of environmental requirement.

