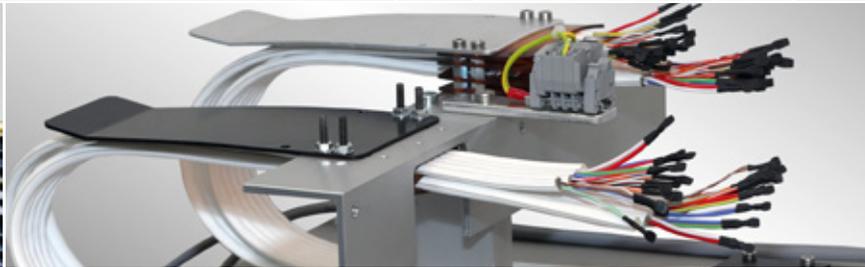


HEW Flat Cables



Ultra-flexible laminated PTFE flat cable from HEW-KABEL

A wide spectrum of highly disparate application categories require cable solutions providing extremely small bending radii and an ultra-efficient cable construction. With its laminated PTFE flat cables, HEW-KABEL offers flexible, space-saving cables with a low own weight that nonetheless stand up to even the toughest of stresses.

The minimised inherent abrasion extends the cables' useful lifetimes, enabling the PTFE flat cables to be used in cleanrooms, as used in ultra-sensitive application categories in the fields of medical or microsystem technologies. Other application categories include the military, aerospace, open- and closed-loop control systems, robotics and the automotive industry.

HEW Flat Cables do not need a drag chain as a guide, which minimises running noise and guarantees smooth, jerk-free movement. From simple symmetrical flat ribbon cables all the way through to complex hybrid constructions, HEW-KABEL develops flat cables responsively customised to suit the requirements involved. The cables' hybrid construction enables multifunctional combinations of different elements to be incorporated in a single cable for simultaneous transmission, such as energy, data, signals, gases, liquids or light.



Technical data and characteristics

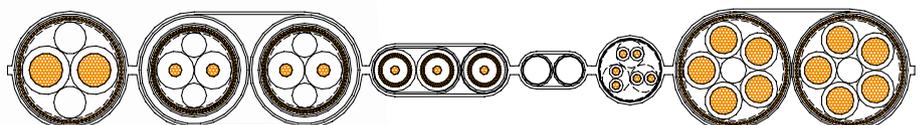
- High efficiency, thanks to minimized space requirement and low own weight
- Small bending radii and high flexibility
- Exceptionally high dependability and mechanical strength
- Minimised running noises and smooth, jerk-free movement, since a drag chain is not required for cable guidance
- High-flexural-strength constructions possible with several million bending cycles
- Customised cable construction to suit the application category and customer's requirements involved
- Options for both simple symmetrical and complex hybrid constructions
- Hybrid construction enables different elements to be transmitted simultaneously in a single cable
- Conductors: bare copper, options for tinned, silvered, nickelled and alloys
- Cable width up to 130 mm

Application categories:

- Medical (MRT, CT, X-ray devices, etc.)
- Industry (closed/open-loop control systems & robotics, e.g. automatic pick-and-place machines)
- Military, aerospace
- Automotive



02_2014 / DW



Cross section of a typical HEW-PTFE-flat cable