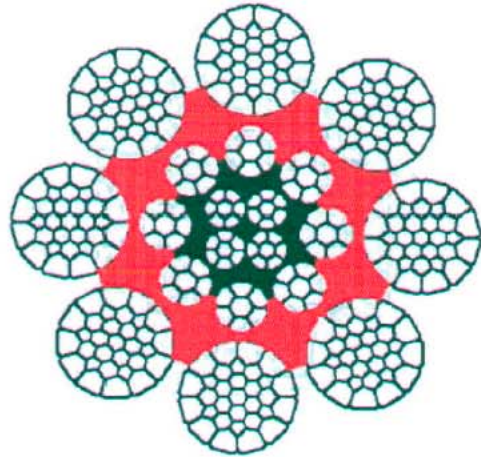


Wire Rope PERFEKT[®] QS 816 V Protect

PLASTFILL[™] - plastified steel core, galvanized

8-strand ordinary lay rope with **PLASTFILL[™]** - core and **SUPERFILL[®]**-compaction technology and radial elastic core.

Extreme resistance to negative external factors is the strong point of this galvanized rope. The **SUPERFILL[®]**- compaction technology developed by Teufelberger generates high breaking forces and thus a high safety level during operations. The application of this technology to the steel core generates high resistance against radial deformation.



Ihr Vorteil

PERFEKT[®] QS 816 V Protect

- High flexibility due to the numerousness of wires in the outer strands
- Reliability and safety during operations due to extremely high breaking forces
- Cost savings through less abrasion of the rope, longer operating cycles and maintenance intervals
- Use without disruptions due to high resistance against compression and squeezing
- Excellent spooling characteristics and long fatigue life due to the smoother surface of the rope generated by **SUPERFILL[®]**- compaction technology

Application of

PERFEKT[®] QS 816 V Protect

Das PERFEKT[®] QS 816 V Protect has been developed especially as hoist rope for harbour mobile cranes..



Safety with Teufelberger

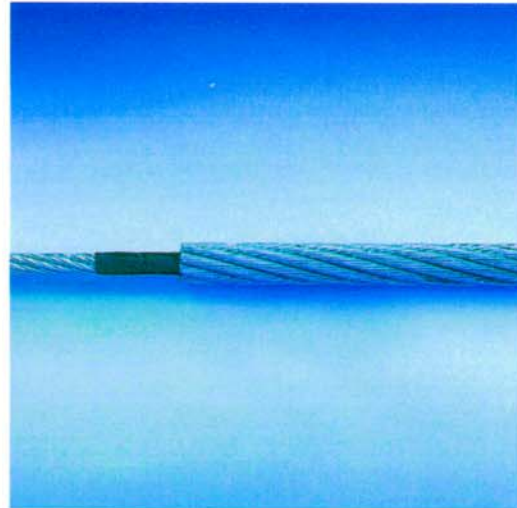
PLASTFILL™ - plastified steel core

The lubricated steel core is covered by a layer of plastic. The benefits are:

- Long fatigue life through permanent internal lubrication
- Resistance to compression and squeezing between steel core and outer strands
- Higher breaking forces due to a change in internal friction properties

The strands are pressed into the plastic layer during stranding, allowing for:

- Uniform strand gap for minimum internal wear
- Uniform distribution of load on all strands due to optimised construction



Ordinary lay, right or left
Tensile strengths: 1960 N/mm²
Number of wires in outer strands: 248

SUPERFILL® - compaction technology

This compaction technology has been developed in close collaboration with universities and independent research institutes. Each strand of the rope is compacted by means of a special process, translating into a substantial improvement of the properties of the rope.

- Up to 30 % higher breaking force than conventional ropes
- Longer fatigue life due to smaller specific load (same rope diameter)
- Permits use of smaller rope diameters with equal breaking force (important for new crane constructions)
- The smoother surface means less abrasion on the rope and less wear of the rope pulleys



ohne SUPERFILL®



mit SUPERFILL®

For detailed technical information our Customer Service Department remains at your disposal.

Subject to technical changes and printing mistakes.

