



## Reelable polyurethane cables for low, medium and high mechanical stress

Designed with a smaller outer diameter to save space and weight; Cost-saving due to the use of smaller drums, guide rollers, as well as drive engines when possible; Reeling, unreeling and guiding operations also impose tensile stresses on the cables; The central supporting element absorbs the tensile loads that occur, thereby allowing reeling, unreeling and deflection for free-hanging cables even over large distances; Integrated supporting braid prevents undesirable cable twists, and the formation of so-called corkscrew effects

- Multifunctional application possibilities
- Lightweight due to minimised diameters
- Halogen-free

SUITABLE FOR OUTDOOR USE	GOOD CHEMICAL RESISTANCE	HALOGEN FREE	COLD RESISTANT	MECHANICAL RESISTANCE	LOW WEIGHT	OIL RESISTANT	OPTIMUM STRAIN RELIEF	SPACE REQUIREMENT	POWER CHAIN	UV RESISTANT



## Product description

### Application range

- For use in hoists, transport and conveyor systems
- Cables are reeled, unreeling, and guided by roller trains
- In dry or damp interiors, outdoors, or not more than 2 weeks without interruption in industrial water
- The application profiles for ÖLFLEX® CRANE and ÖLFLEX(R) LIFT cables can be found in the appendix, selection table A3
- The assembly and handling guidelines for ÖLFLEX® CRANE cables can be found in the catalogue appendix, technical table T4; for ÖLFLEX(R) LIFT cables please see the catalogue appendix, technical table T5

## Benefits

- Designed with a smaller outer diameter to save space and weight
- Cost-saving due to the use of smaller drums, guide rollers, as well as drive engines when possible
- Reeling, unreeling and guiding operations also impose tensile stresses on the cables
- The central supporting element absorbs the tensile loads that occur, thereby allowing reeling, unreeling and deflection for free-hanging cables even over large distances.
- Integrated supporting braid prevents undesirable cable twists, and the formation of so-called corkscrew effects

## Product Make-up

- Strands of bare copper wires
- Core insulatoin: TPE compound
- Central supporting element
- Support braid integrated in the outer sheath
- Outer sheath: PUR compound, halogen-free

## Product features

- Halogen-free and flame-retardant (IEC 60332-1-2)
- Oil-resistant according to EN 60811-404
- Good chemical, thermal and mechanical-resistance
- For connecting mobile equipment in hazardous areas acc. to DIN VDE 0165

## Technical Data

Core identification code	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: black with white numbers
Classification	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
Conductor stranding	Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6
Minimum bending radius	Flexible use: 7.5 x outer diameter
Nominal voltage	U <sub>0</sub> /U: 600/1000 V
Test voltage	3500 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Current rating	VDE 298 Part 4
Temperature range	Flexible use: -40°C Max. cond. temperature: +80°C