



## Highly flexible and weather-proof rubber cables with support element

Weather-resistant for harsh environmental conditions; Very flexible due to extra-fine wire conductor design; Cables up to a max. 24 cores can also be used in power chains

- Suitable for outdoor use
- Integrated supporting element
- Also suitable for power chains and cable trolley systems



## Product description

### Application range

- Machinery and equipment that are permanently exposed to the weather; conveying and hoisting equipment; construction machinery; shipyard machinery
- Suitable for use in special conditions, such as not more than 2 weeks without interruption of submersion in industrial or sea 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
- For highly flexible applications, please follow the assembly guidelines for ÖLFLEX® FD cables in power chains; see appendix T3

## Benefits

- Weather-resistant for harsh environmental conditions
- Very flexible due to extra-fine wire conductor design
- Cables up to a max. 24 cores can also be used in power chains

## Product Make-up

- Strands of bare copper wires
- Core insulation: rubber compound
- Special supporting element as strain relief
- Outer sheath: rubber compound, type EM2

## Norm references / Approvals

- Based on VDE 0250

## Product features

- Flame-retardant according IEC 60332-1-2
- Not suitable for use on guide pulleys or drums under tensile load
- Refer to the article table for the tensile strength of the support element
- The cable should be installed in a way that the supporting element can absorb the tensile forces
- The mobility of the cores must not be affected by the clamps

## 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: EC001578 ETIM 5.0 Class-Description: Flexible cable
Conductor stranding	0.15 mm wire diameter at 1.0 mm <sup>2</sup> 0.20 mm wire diameter from 1.5 mm <sup>2</sup>
Minimum bending radius	Flexible use: 12.5 x outer diameter
Nominal voltage	U <sub>0</sub> /U: 300/500 V
Test voltage	3000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Flexible use: -25°C to +80°C Fixed installation: -40°C to +80°C