


2027503	DATA SHEET	
valid from: 07.04.2021	ÖLFLEX® CRANE 2ST	

Application

ÖLFLEX® CRANE 2ST are high-flexible PVC control cables with two steel-wire supporting elements and cold-flexible PVC jacket. They are also suitable for use in dry, damp or wet areas. They are suitable for outdoor use if the indicated temperature range is observed. They are largely resistant to acids, alkalis and certain oils at room temperature. They are suitable for light torsion applications (max. $\pm 45^\circ/\text{m}$). For simplified installation, the two external steel support elements can be easily detached.

Application range: Connection of movable control panels and consoles, self supporting shaft cable, high rack systems etc.; not applicable as lift cable.

Design

Design	based on VDE 0250
Conductor	extra fine wire strands of bare copper, acc. to IEC 60228 resp. EN 60228, class 6
Insulation	PVC-compound TI2 acc. to EN 50363-3
Core identification code	acc. to VDE 0293-1, with or without GN/YE ground conductor black cores with white numbers acc. to EN 50334
Taping	non-woven wrapping over core stranding
Supporting element	Two steel supporting elements with a tensile strength of 1.410 N each which are oppositely integrated into the outer sheath. steel rope diameter: approx 1.25 mm
Outer sheath	PVC special compound acc. to EN 50363-4-1 colour: black, similar RAL 9005

Electrical properties at 20 °C

Nominal voltage	U_0 / U : 300 / 500 V AC
Test voltage	2000 V AC

Mechanical and thermal properties

Minimum bending radius	flexing: 20 x outer diameter
Temperature range	flexing: -15°C up to $+70^\circ\text{C}$ max. conductor temperature
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2
Tests	acc. to IEC 60811 resp. EN 60811 and EN 50395
General requirements	These cables conform to the EU-Directive 2014/35/EU (Low Voltage Directive)
Environmental information	These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

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