

ÖLFLEX® 550 P

DB 0013600

valid from: 13.01.2016

Application

ÖLFLEX® 550 P cables are high flexible oil-resistant power cables with an isolation of a compound of rubber and an outer sheath of Polyurethane for flexible use and fixed installation for increased mechanical abuse. They are for use in dry, damp and wet rooms. Under following to the indicate temperature range is a use outside possible. Continuous, busy movements, usage of these cables in moving cable carriers, respectively on motor drum guidance or under a strain of more than 15 N/mm² is not allowed. ÖLFLEX® 550 P cables are increased oil resistant and at room temperature generally resistant against acids and caustics solution. The outer sheath is resistant against high mechanical abuse, particularly to abrasion and grinding abuse. ÖLFLEX® 550 P cables are resistant against cuts, microbe proof and hydrolysis resistant.

Application range:

as power cable for construction machinery, stage applications as well as for portable handheld electrical devices

Design

Approvals	$\leq 1.0 \text{ mm}^2$: H05BQ-F acc. to EN 50525-2-21 resp. VDE 0285-525-2-21 $\geq 1.5 \text{ mm}^2$: H07BQ-F acc. to EN 50525-2-21 resp. VDE 0285-525-2-21
Conductor	bare copper, fine wire strand in accordance to IEC 60228 resp. VDE 0295, class 5
Core insulation	rubber compound EI 6 acc. to EN 50363-1 resp. VDE 0207-363-1
Core identification	acc. to VDE 0293-1, with or without GN/YE ground conductor up to 5 cored coloured acc. to HD 308 S2 that is VDE 0293-308
Outer sheath	Polyurethane compound TMPU, acc. to EN 50363-10-2 resp. VDE 0207-363-10-2 Colour: orange, similar to RAL 2003

Electrical properties

Nominal voltage	$\leq 1,0 \text{ mm}^2$	U ₀ /U: 300 / 500 V
	$\geq 1,5 \text{ mm}^2$	U ₀ /U: 450 / 750 V
Test voltage	Core / Core:	3000 V AC

Mechanical and thermal properties

Min. bending radius	for flexible use:	12,5 x outer diameter
	fixed installation:	4 x outer diameter
Temperature range	occasional flexing:	-40 °C up to +90 °C
	fixed installation:	-40 °C up to +90 °C
Oil resistance	acc. to EN 50363-10-2 resp. VDE 0207-363-10-2	
Tests	acc. to IEC 60811, EN 50395, EN 50396	
EC-Directives	This cable is conform to the EU-Directives 2014/35/EU (Low Voltage Directive) and 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).	