

73220852	DATA SHEET	
valid from: 18.11.2021	ÖLFLEX® SPIRAL 540 P with angular plug	

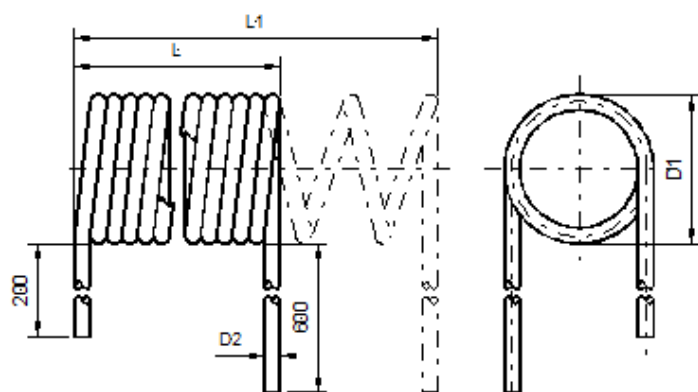
Application

ÖLFLEX® SPIRAL 540 P cables are oil-resistant connecting cables with a core insulation of TPE and an outer sheath of Polyurethane for flexible use. They are among others designed for use in dry conditions and may only be installed considering the temperature range. The outer sheath is resistant against high mechanical load, particularly to abrasion and scouring, cut resistant, microbe-proof and hydrolysis resistant. ÖLFLEX® SPIRAL 540 P with angular plug cables are designed with a high strength of recoiling and the extension lengths up to 3.5 times of the original length.

Application range:

They can be used for connection of heaters, provided that there is no risk of contact with hot particles or of thermal radiation. They can also be used for mobile electrical devices and apparatus as well as medical equipment.

Dimensions of spiral cable



30 mm dismantled,

L Unextended spiral length
L1 max. extended length of spiral
D1 Approx. outer diameter of spiral
D2 Approx. outer diameter of cable

Length of straight ends:

First end: 200 mm long + plug

2nd end : 600 mm long,

6 mm removed insulation

Dimensions of the plug

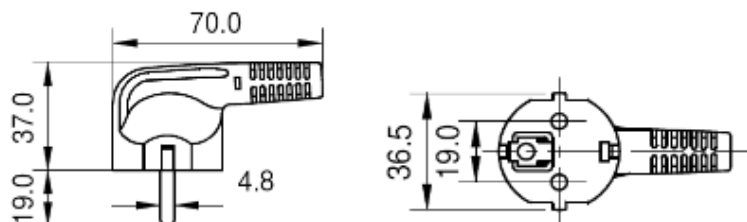


Illustration similar

First end: 200 mm long with injection moulded protection-contact-angle-plug
with approval mark

2-pin with double ground conductor system

16 A, AC 250 V acc. to DIN VDE 0620-2-1: 2016-01

DIN 49441 R2, CEE 7, standard sheet VII

based on IEC 60884-1:2002 + A1:2006 + A2:2013

Design

Design

based on standard

EN 50525-2-21 bzw. VDE 0285-525-2-21

EN 50525-2-51 bzw. VDE 0285-525-2-51

Certification

The used uncoiled cable sold by the metre ÖLFLEX® 540 P has following VDE-registrations:

U0/U: 300/500 V up to 1,0 mm²: < VDE-REG 6583 ▷

U0/U: 450/750 V starting from 1,5 mm²: < VDE-REG 6584 ▷

Conductor

fine wire strands of tinned copper acc. to IEC 60228 resp. EN 60228, class 5

Insulation

Thermoplastic elastomer (TPE)

Core identification code

up to 5 cores coloured acc. VDE 0293-308 resp. HD 308 S2

with GN/YE ground conductor acc. To EN 50334

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Outer sheath

polyurethane compound TPU acc. to EN 50363-10-2
colour: yellow, similar RAL 1016

Electrical properties at 20 °C

Specific volume resistivity	> 20 G Ω x cm
Rated voltage	U ₀ : 250 V AC
Test voltage	Cable: 2000 V AC

Mechanical and thermal properties

Temperature range	for flexible applications: -30 °C up to +50 °C
Flammability	acc. to IEC 60332-1-2 resp. EN 60332-1-2 (cable)
Oil resistance	acc. to EN 50363-10-2 (cable)
Tests	acc. to IEC 60811 resp. EN 60811, EN 50395, EN 50396
General requirements	These cables are 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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