

ÖLFLEX® SPIRAL 400 P

DB 70002622EN

valid from: 2013-09-20

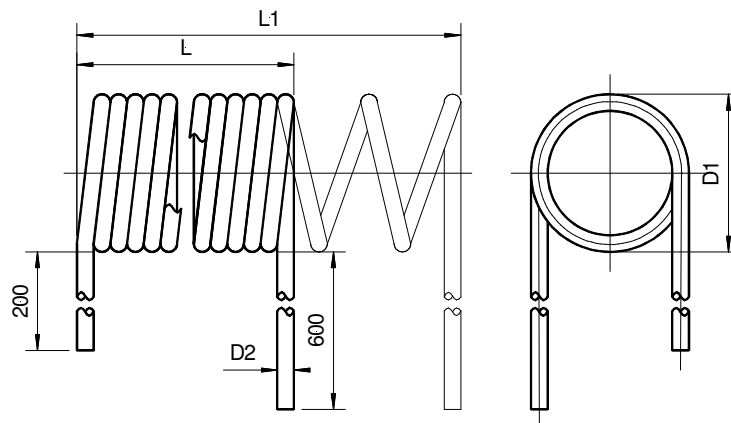
Application

ÖLFLEX® SPIRAL 400 P cables are oil resistant cables with Polyurethane outer sheath, for flexible use and fixed installation for medium mechanical abuse. They are for use in dry, damp or wet conditions. With consideration to the specified temperature range it is possible to use it outside. ÖLFLEX® SPIRAL 400 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 use, particularly to abrasion cuts, microbe proof and hydrolysis resistant.

ÖLFLEX® SPIRAL 400 P cables are designed for use under rough working conditions and to high wear and tear. The strength of recoiling and the extension lengths up to 3 times of the original length are features of the high quality.

Application range: as control and power cables in machines, mechanical engineering and apparatus construction

Dimensions



- L Unextended spiral length
 L1 Max. extended length of spiral
 D1 Approx. outer diameter of spiral
 D2 Approx. outer diameter of spiral

Length of extended ends:
 First end: 200 mm
 Second end: 600 mm

Design

Design	based on EN 50525-2-51 resp. VDE 0285-525-2-51 / HD 21.13 S1 resp. VDE 0281-13 EN 50525-2-21 resp. VDE 0285-525-2-21 / HD 22.10 S2 resp. VDE 0282-10
Conductor	fine wire strands of bare copper, acc. to IEC 60228 resp. VDE 0295, Class 5
Core insulation	Lapp special PVC compound P8/1, better than PVC compound TI2, acc. to EN 50363-3 resp. VDE 0207-363-3
Core identification	acc. to VDE 0293-1, with or without GN/YE ground conductor black cores with white numbers acc. to DIN EN 50363-3 resp. VDE 0207-363-3
Outer sheath	Polyurethan compound TPU acc. to EN 50363-10-2 resp. VDE 0207-363-10-2 colour: silver grey, similar RAL 7001

Electrical properties

Nominal voltage	U_0 / U : 300 / 500 V
Test voltage	Core / Core: 4000 V AC

Mechanical and thermal properties

Temperature range	occasional flexing: +5 °C up to +50 °C max. conductor temp.
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 EC-Directives 2006/95/EC (Low Voltage Directive) and 2011/65/EG (RoHS, Restriction of the use of certain hazardous substances).