



DATA SHEET	0012452
ÖLFLEX® 540 P	valid from : 01.05.2000

Application

ÖLFLEX® 540 P cables are connecting cables with an outer sheath of Polyurethane and a core insulation of TPE for flexible use and fixed installation for increased mechanical abuse. They are for use in dry, damp, wet rooms and outside.

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® 540 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® 540 P cables are resistant against cuts, microbe-proof and hydrolysis resistant. ÖLFLEX® 540 P cables can also be used for connection of agricultural device, heaters, provided that no danger through contact with hot particles or through radiation of warmth exist. Anyway ÖLFLEX® 540 P cables can be used for electrical machines e. g. drills, circular saws as soon as transportable engines or machines on construction. The used materials are halogen free.

Technical data

Conductor	tinned copper, fine wire strand in accordance to IEC 228 that is VDE 0295, class 5
Design	in acc. to HD 21.5 S1 that is VDE 0281-5 and VDE 0282-10, partly in support
Core insulation	Compound of TPE
Identification	with up to 5 cores are colored-coded in acc. to HD 186 resp. VDE 0293 7 cores: black cores with white numbers with green/yellow ground conductor
Outer sheath	Polyurethane compound TMPU in acc. to HD 22.10 S1 that is VDE 0282-10, additional flame retardant
Nominal voltage	0,75 and 1,0 mm ² : 300/500 V 1,5 to 16,0 mm ² : 450/750 V
Test voltage	0,75 and 1,0 mm ² : 3000 V AC 1,5 to 16,0 mm ² : 3500 V AC
Temp. range	for flexible use -40 up to +90° C max. conductor temperature
Min. bending radius	flex. use 12,5 x cable diameter
Flame retardant	in acc. to IEC 60 332.1 resp. VDE 0482 part 265-2-1
Oil resistance	in acc. to VDE 0472 part 803 test method b
Tests	in acc. to VDE 0472 and IEC 811-x.x that is VDE 0473
Approvals	VDE REG No. 6583: 300/500 V VDE REG No. 6584: 450/750 V
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive).

elaborated by: TE-K:	Document: DB0012452_1EN	page 1 of 1
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