

ÖLFLEX® CLASSIC 400 CP

DB 1313852
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Application

ÖLFLEX® CLASSIC 400 CP cables are oil resistant control cables with a Polyurethan outer sheath, for flexible use and fixed installation for medium mechanical abuse. They are for use in dry, damp and wet rooms. With consideration to the specified temperature range it's possible to use it outside. ÖLFLEX® CLASSIC 400 CP 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 cutting. It is microbe-proof and hydrolysis resistant.

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. The screen is a protection against electrical interference.

Application range:

ÖLFLEX® CLASSIC 400 CP cables are for use as control - and power cable for machine tools and mechanical engineering.

Design

Design	based on EN 50525-2-51 resp. VDE 0285-525-2-51 / HD 21.13 S1+A1 resp. VDE 0281-13 EN 50525-2-21 resp. VDE 0285-525-2-21 / HD 22.10 S2 resp. VDE 0282-10
Conductor	bare copper, fine wire strand in acc. to IEC 60228 resp. VDE 0295, class 5
Core insulation	LAPP special PVC compound P8/1, better than the 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 50334 resp. VDE 0293 part 334
Inner sheath	PVC compound TM2 acc. to EN 50363-4-1 resp. VDE 020-363-4-1
Screen	braid of tinned copper, coverage = 85 % (nominal value)
Outer sheath	Polyurethane compound TMPU 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
	Core / Sreen:	4000 V AC

Mechanical and thermal properties

Min. bending radius	occasional flexing:	20 x cable diameter
	fixed installation:	6 x cable diameter
Temperature range	occasional flexing:	-5 °C up to +70 °C max. conductor temp.
	fixed installation:	-40 °C up to +80 °C max. conductor temp.
Oil resistance	acc. to EN 50363-10-2 resp. VDE 0207-363-10-2	
UV resistance	acc. to EN ISO 4892-2-2006, method A (change of colour allowed)	
Ozone resistance	acc. to EN 50396 resp. VDE 0473-396, method B	
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/EU (RoHS, Restriction of the use of certain hazardous substances).	