



<b>DATA SHEET</b>	0035001
<b>ÖLFLEX® CLASSIC 100 CY</b>	valid from : 05.05.2006

## Application

ÖLFLEX® CLASSIC 100 CY cables are power- and control cables for flexible use and fixed installation for medium mechanical use. They are for use in dry, damp and wet rooms. They may only be installed outdoors with UV-protection and in observation of the temperature range. At room temperature they are generally resistant against acids, caustics solutions and certain oils. ÖLFLEX® CLASSIC 100 CY cables are used as supply and flexible connecting cable in machine tool manufacture, plant engineering, in power stations, in heating and air conditioning installations, etc. Suitable for freely moved without forced guidance and tensile stress. The screen is a protection against electrical interference.

## Technical data

Conductor	bare copper, fine wire strand in accordance to IEC 60228, that is VDE 0295, class 5	
Design	in accordance to HD 21.13 S1 that is VDE 0281-13	
Core insulation	LAPP special PVC compound P 8/1, better than the PVC compound TI2 in accordance to VDE 0281-1.	
Identification	Up to 5 cores color-coded in acc. to HD 186 resp. VDE 0293. or HD308S2 that is VDE 0293-308, cables with more than 5 cores are color-coded in acc. to LAPP ÖLFLEX® color code.	
Inner sheath	PVC compound TM2 in acc. to VDE 0281-1	
Screen	Braid of tinned copper, coverage = 85 % (nominal value) Transfer impedance in acc. to HD 21.13 S1 250mΩ/m at 30 MHz	
Outer sheath	PVC compound TM2 in acc. to VDE 0281-1 with increased requests to LAPP specification	
Nominal voltage	0,5 mm <sup>2</sup> to 1,0 mm <sup>2</sup> :	300 / 500 V
	from 1,5 mm <sup>2</sup> :	450 / 750 V
	from 1,5 mm <sup>2</sup> , fixed and protected installation:	600 / 1000 V
Test voltage	4000 V AC	
Temp. range	for flexible use -5 up to +70° C max. conductor temperature fixed installation -40 up to +80° C max. conductor temperature	
Min. bending radius	flex. use: 20 x cable diameter fixed installation: 6 x cable diameter	
Flame retardant	in acc. to IEC 60 332.1	
Tests	in acc. to VDE 0472 and IEC 60 811-x.x that is VDE 0473	
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive).	

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