



<b>DATA SHEET</b>	0035700
<b>ÖLFLEX® 140 CY</b>	valid from : 23.04.2007

## Application

ÖLFLEX® 140 CY cables are oil-resistant control cables for flexible use and fixed installation for connecting from production- and machine tools components together. 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. ÖLFLEX® 140 CY cables are increased oil-resistant and at room temperature generally resistant against acids and caustics solutions.

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/mm<sup>2</sup> is not allowed. The screen is a protection against electrical interference.

## Technical data

Design	H05VVC4V5-K in accordance to HD 21.13 S1 that is VDE 0281-13
Conductor	bare copper, fine wire strand in accordance to IEC 60228 that is VDE 0295, class 5
Core insulation	PVC compound TI2 in accordance to HD 21.1 S4 that is VDE 0281-1
Identification	black cores with white numbers with green/yellow ground conductor in accordance to VDE 0293-1 and EN 50334 that is VDE 0293-334
Inner sheath	PVC compound TM2 in accordance to HD 21.1 S4 that is VDE 0281-1
Screen	braid of tinned copper, coverage =85 % (nominal value)
Outer sheath	PVC compound TM5 in accordance to HD 21.1 S4 that is VDE 0281-1
Nominal voltage	300/500 V
Test voltage	3000 V AC
Temp. range	for flexible use: -5 up to +70 °C max. conductor temperature fixed installation: -40 up to 70 °C max. conductor temperature
Min. bending radius	for flexible use: 20 x cable diameter fixed installation: 6 x cable diameter
Flame retardant	in accordance to IEC 60332-1-2 that is VDE 0482-332-1-2
Oil resistance	in accordance to IEC 60811-2-1 that is VDE 0473-811-2-1
Approvals	H05VVC4V5-K in acc. to HD 21.13 S1 that is VDE 0281-13
Tests	in accordance to IEC 60811-x-x that is VDE 0473 part 811-x-x and VDE 0472
EC directive	This cable confirms to ECD 2006/95/EEC (low voltage directive).

elaborated by: TE-K: H. Schillinger / M. Herb	Document: DB0035700EN	page 1 of 1
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