

0035700	DATA SHEET	
valid from: 01.01.2019	ÖLFLEX® 140 CY	

Application

ÖLFLEX® 140 CY cables are oil resistant power and control cables for occasional flexible use and fixed installation under normal mechanical load conditions. They are also suitable for use in dry, damp or wet areas. If using outdoors, observe the indicated temperature range and use with UV protection.

ÖLFLEX® 140 CY cables are increased resistant to oils and at room temperature largely resistant to acids and alkalis. They are suitable for occasional, non-automated movements. The maximum tensile load is 15 N/mm² of conductor cross-section during installation and operation. Compulsory guidance is not permitted.

The screening braid protects against interference from electrical fields.

Application range:

Plant engineering, industrial machinery, heating and air conditioning systems, machine tools.

Design

Design	H05VVC4V5-F acc. to EN 50525-2-51 resp. VDE 0285-525-2-51
Certification	<HAR> H05VVC4V5-F acc. to EN 50525-2-51 resp. VDE 0285-525-2-51
Conductor	fine wire strands of bare copper, acc. to IEC 60228 resp. VDE 0295, Class 5
Insulation	PVC compound TI2 acc. to DIN EN 50363-3 resp. VDE 0207-363-3
Core identification code	acc. to VDE 0293-1, with GN/YE ground conductor, black cores with white numbers acc. to DIN EN 50334 resp. VDE 0293-334
Inner sheath	PVC compound TM2 acc. to DIN EN 50363-4-1 resp. VDE 0207-363-4-1 Colour: Silver grey, similar RAL 7001
Screen	Braid of tinned copper, coverage = 85% (nominal value)
Outer sheath	PVC compound TM5 acc. to DIN EN 50363-4-1 resp. VDE 0207-363-4-1 Colour: Silver grey, similar RAL 7001

Electrical properties at 20°C

Rated voltage	300 / 500 V
Test voltage	2000 V AC

Mechanical and thermal properties

Minimum bending radius	occasional flexing: 20 x cable Ø fixed installation: 6 x cable Ø
Temperature range	occasional flexing: - 5 °C up to +70 °C max. conductor temp. fixed installation: - 40 °C up to +70 °C max. conductor temp.
Flammability	acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2
Oil resistance	TM5 acc. to EN 50363-4-1 resp. VDE 0207-363-4-1
Tests	acc. to IEC 60811, EN 50395, EN 50396
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

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