

ÖLFLEX® CLASSIC 110 SY
DB 1125752
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Application

ÖLFLEX® CLASSIC 110 SY cables are VDE approved power and control cables for occasional flexible use and fixed installation under normal mechanical load conditions. 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 it is widely resistant against acids, caustics solutions and certain oils. ÖLFLEX® CLASSIC 110 SY suitable for freely moved without forced guidance and tensile stress. The braid of galvanized steel-wires is an additional mechanical protection.

Application range:

ÖLFLEX® CLASSIC 110 SY cables are used in plant engineering, in industrial machinery and in heating and air conditioning systems as well as in areas with high mechanical stress.

Design

Design	based on EN 50525-2-51 resp. VDE 0285-525-2-51 / HD 21.13 S1 + A1 resp. VDE 0281-13
Approval	VDE-Reg.-Nr. 7030
Conductor	fine wire strands of bare copper, acc. to IEC 60228 resp. VDE 0295, class 5
Core insulation	PVC compound T12 acc. to EN 50363-3 resp. VDE 0207-363-3 with increased requirements acc. to Lapp specification
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 0293-334
Inner sheath	PVC compound TM2 acc. to EN 50363-4-1 resp. VDE 0207-363-4-1 colour: silver grey, similar RAL 7001
Braid	braid of galvanized steel-wires, coverage = 70 % (nominal value)
Outer sheath	PVC compound TM2 acc. to EN 50363-4-1 resp. VDE 0207-363-4-1 colour: transparent

Electrical properties

Nominal voltage	$U_0 / U:$	300 / 500 V
Test voltage	Core/Core:	4000 V AC
	Core/Screen:	4000 V AC

Mechanical and thermal properties

Min. bending radius	occasional flexing:	20 x outer diameter
	fixed installation:	6 x outer 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.
Flammability	acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2	
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).	