

ÖLFLEX® CLASSIC 110 CY

DB 1135752
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Application

ÖLFLEX® CLASSIC 110 CY cables are VDE approved power and control cables for occasional flexible use and fixed installation under normal mechanical load conditions. They are among others designed for use in dry, damp and wet conditions. They may only be installed outdoors with UV protection and considering the temperature range. At room temperature they are widely resistant to acids, caustics solutions and certain oils. ÖLFLEX® CLASSIC 110 CY cables are used as supply and interconnecting cable, suitable for freely moved without forced guidance and tensile stress. The screen is a protection against electrical interference.

Application range:

plant engineering, industrial machinery, heating and air conditioning systems, conveyor and transport systems

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 020-363-4-1 colour: silver grey, similar RAL 7001
Screen	braid of tinned copper, coverage = 85 % (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 C AC
Transfer impedance at 25 MHz:	max.	250mΩ/m

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	flame retardant in acc. with 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).	