

ÖLFLEX® CLASSIC 135 CHDB 1123200
valid from: 2013-07-31**Application**

ÖLFLEX CLASSIC 135 CH are screened, halogen free, highly flame retardant control cables for the European and North American market, for occasional flexible use and fixed installation subject to normal mechanical load conditions. They are among others for use in dry, humid or wet conditions. Considering the temperature range, a temporary outdoor use is possible. They are suitable for non-continuously recurring movement without tensile load. Continuous operational movements, restricted guidance, usage of these cables in moving cable carriers or on motor drum guidance or under a strain of more than 15 N/mm² is not allowed. The screen is a protection against electrical interference.

Application range:

ÖLFLEX® CLASSIC 135 CH can be used in public buildings, airports, railway stations, plants engineering and constructions, air conditioning systems and particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards.

USE acc. to: FRPE sheathed cable for internal wiring of appliances and external interconnection of electronic equipment

Design

Design	acc. to UL AWM 758, Style 21089 and based on EN 50525-3-11 resp. VDE 0285-525-3-11
Approval	UL AWM 758, Style 21089 (File No. E63634)
Conductor	fine wire strands of bare copper, acc. to IEC 60228 resp. VDE 0295, Class 5
Core insulation	halogen free compound TI6 acc. to EN 50363-7 resp. VDE 0207-363-7
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
Screen	braid of tinned copper, coverage = 85% (nominal value)
Outer sheath	halogen free compound TM7 acc. to EN 50363-8 resp. VDE 0207-363-8 colour: silver grey, similar RAL 7001

Electrical properties

Nominal voltage	VDE U ₀ /U:	300 / 500 V
	UL:	600 V
Test voltage	Core / Core:	4000 V
	Core / Screen:	2000 V

Mechanical and thermal properties

Min. bending radius	occasional flexing:	20 x outer diameter
	fixed installation:	6 x outer diameter
Temperature range	occasional flexing (VDE):	-15 °C up to +70 °C max. conductor temp.
	occasional flexing (UL):	-15 °C up to +75 °C max. conductor temp.
	fixed installation (VDE):	-40 °C up to +80 °C max. conductor temp.
	fixed installation (UL):	-40 °C up to +75 °C max. conductor temp.



ÖLFLEX® CLASSIC 135 CH

DB 1123200

valid from: 2013-07-31

Flammability	flame retardant acc. to	IEC 60332-1-2 resp. VDE 0482-332-1-2 UL: Cable flame test
	propagation acc. to	IEC 60332-3-24 resp. VDE 0482-332-3-24 or IEC 60332-3-25 resp. VDE 0482-332-3-25
Smoke density	acc. to	IEC 61034-2
Toxicity	acc. to	NES 713-3, EN 50306-1 (≤ 3)
Halogen-free	acc. to	IEC 60754-1
Corrosivity	acc. to	IEC 60754-2
UV resistance	acc. to	EN ISO 4892-2-2006, method A (change of colour allowed)
Ozone resistance	acc. to	EN 50396 resp. VDE 0473-396, met. B
VDE certified		Supply cable with improved characteristics in the case of fire
Tests	acc. to	IEC 60811, EN 50395, EN 50396, UL 1581
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).