ÖLFLEX® CLASSIC 130 H BK 0.6/1 kV

DB 1123410
valid from: 27.02.2012

Application

ÖLFLEX® CLASSIC 130 H BK 0,6/1 kV are halogen free, flame retardant control cables for occasional flexible use and fixed installation subject to normal mechanical load conditions. They are among others designed for use in dry and humid rooms. Outdoor use: They may only be installed considering the indicated temperature range. They are not for use in continuously recurring movement. Continuous movement, usage of these cables in moving cable carriers or on motor drum guidance or under a tensile strain of more than 15 N/mm² conductor cross-section is not allowed.
Application range:
Public buildings, airports, railway stations, plant engineering, industrial machinery, heating and air-conditioning systems and particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards.

Design

Design	based on HD 21.14 S1/ VDE 0281-14, EN 50525-3-11/VDE 0285-525-3-11
Conductor	fine wire strands of bare copper, acc. to IEC 60228 resp. VDE 0295, Class 5
Core insulation	halogen free compound TI6 acc. to HD 21.14 S1/ VDE 0281-14, EN 50525-3-11/VDE 0285-525-3-11
Core identification	acc. to VDE 0293-1, with or without GN/YE protective conductor up to 5 cores coloured in acc. to HD 308 S2 that is VDE 0293-308 starting at 6 cores: Black cores with white numbers acc. to DIN EN 50334 resp. VDE 0293-334
Outer sheath	halogen free compound TM7 acc. to HD 21.14 S1/ VDE 0281-14, EN 50525-3-11/VDE 0285-525-3-11 colour: Black

Electrical properties at 20 °C

Nominal voltage	U_0/U: 600 / 1000 V
Test voltage	4000 V AC

Mechanical and thermal properties

Min. bending radius	occasional flexing:	15 x cable diameter
	fixed installation:	4 x cable diameter
Temperature range	occasional flexing:	-15 °C up to +70 °C max. conductor temperature
	fixed installation:	-40 °C up to +80 °C max. conductor temperature

Flammability	flame retardant in acc. with IEC 60332-1-2 resp. VDE 0482-332-1-2 no flame propagation in acc. with IEC 60332-3-24 resp. EN 50266-2-4 resp. VDE 0482 part 266-2-4 or in acc. with IEC 60332-3-25 resp. EN 50266-2-5 resp. VDE 0482 part 266-2-5
Smoke density	acc. to IEC 61034-2
Toxicity	acc. to NES 713 part 3
Halogen-free	acc. to IEC 60754-1
Corrosivity	acc. to IEC 60754-2
UV resistance	UV and weather-resistant acc. to ISO 4892-2
Ozone resistance	Ozone-resistant acc. to EN 50396
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 2002/95/EC (RoHS, Restriction of the use of certain hazardous substances).

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Outer sheath	halogen free compound TM7 acc. to HD 21.14 S1/ VDE 0281-14, EN 50525-3-11/VDE 0285-525-3-11 colour: Black

Electrical properties at 20 °C

Nominal voltage	U_0/U: 600 / 1000 V
Test voltage	4000 V AC

Mechanical and thermal properties

Min. bending radius	occasional flexing:	15 x cable diameter
	fixed installation:	4 x cable diameter
Temperature range	occasional flexing:	-15 °C up to +70 °C max. conductor temperature
	fixed installation:	-40 °C up to +80 °C max. conductor temperature

Flammability	flame retardant in acc. with IEC 60332-1-2 resp. VDE 0482-332-1-2 no flame propagation in acc. with IEC 60332-3-24 resp. EN 50266-2-4 resp. VDE 0482 part 266-2-4 or in acc. with IEC 60332-3-25 resp. EN 50266-2-5 resp. VDE 0482 part 266-2-5
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