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DATA SHEETvalid from:
09.09.2021**ÖLFLEX® 127 HSLH****LAPP****Application**

ÖLFLEX® 127 HSLH are halogen free, flame retardant control cables for occasional flexible use and fixed installation for medium mechanical use. They are also suitable for use in dry or damp areas, but not outdoors.

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.

ÖLFLEX® 127 HSLH cables are particularly used in areas, where human and animal life as well as valuable property are exposed to high risk of fire hazards. In the event of a fire minimal toxic and no corrosive gases occur.

Application range: Public buildings, airports, railway stations, plant engineering and construction, air conditioning systems, stage applications

Design

Design	based on EN 50525-3-11 and EN 50525-2-51
Certification	VDE certified: Supply cable with improved characteristics in the case of fire EN 13501-6 and EN 50575
	Classification of fire behaviour (article/dimension range see www.lappkabel.com/cpr)
Conductor	fine wire strands of bare copper, acc. to IEC 60228 resp. EN 60228, Class 5
Insulation	halogen free compound TI6 acc. to EN 50363-7
Core identification code	acc. to VDE 0293-1, with or without GN/YE ground conductor black cores with white numbers acc. to EN 50334
Stranding	cores are stranded in layers
Outer sheath	halogen free, flame retardant special compound HM2 acc. to VDE 0250-214 Colour: silver grey, similar RAL 7001

Electrical properties at 20 °C

Nominal voltage	U ₀ /U: 300/500 V
Test voltage	core /core: 4000 V AC

Mechanical and thermal properties

Minimum bending radius	occasional flexing: 15 x outer diameter fixed installation: 4 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 acc. to IEC 60332-1-2 resp. EN 60332-1-2 no flame-propagation acc. to IEC 60332-3-22 resp. EN 60332-3-22 acc. to IEC 60332-3-24 resp. EN 60332-3-24 (Cat. C) or acc. to IEC 60332-3-25 resp. EN 60332-3-25 (Cat. D)
Halogen free	acc. to IEC 60754-1 resp. EN 60754-1
Corrosivity of gases	acc. to IEC 60754-2 resp. EN 60754-2
Smoke density	acc. to IEC 61034-2 resp. EN 61034-2
Toxicity	acc. to NES 713-3, EN 50306-1 (≤ 6)

Tests

acc. to IEC 60811 resp. EN 60811, EN 50395, EN 50396

General requirements

These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive).

A part of these cables (see www.lappkabel.com/cpr) are classified
in accordance with the EU-Regulation no. 305/2011 (CPR).**Environmental information**

These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

AbN
automation