

0013620	<b>DATA SHEET</b>  <b>H07BQ-F</b> <b>former ÖLFLEX® 550 P</b>	 <b>LAPP</b>
valid from: 17.11.2022		

## Application

H07BQ-F cables are oil-resistant power cables with an isolation of a compound of rubber and an outer sheath of Polyurethane for flexible use and fixed installation for increased abuse.

They are for use in dry, damp and wet areas. Temporary and time-limited outdoor use is possible if the indicated temperature range is observed.

They are suitable for occasional, non-automated movements. The maximum tensile load is 15 N/mm<sup>2</sup> of conductor cross-section during installation and operation. Compulsory guidance is not permitted.

H07BQ-F cables are increased oil resistant and at room temperature generally resistant against acids and caustics solution. The outer sheath is resistant against high mechanical abuse, particularly to abrasion and grinding abuse.

H07BQ-F cables are resistant against cuts, microbe proof and hydrolysis resistant.

Acc. to EN 50565-2:

For use in industrial and agricultural workshops, building sites, for heavy duty applications and supplying industrial and agricultural machines and appliances where cables are subject to medium mechanical stresses (e.g. heating plates, inspection lamps, electric tools such as drills, circular saws, and domestic electric tools)

## Design

Design	H07BQ-F acc. to EN 50525-2-21
Certification	<HAR> H07BQ-F acc. to EN 50525-2-21
Conductor	fine wire strands of bare copper, acc. to IEC 60228 resp. EN 60228, Class 5
Insulation	rubber compound EI 6 acc. to EN 50363-1
Core identification code	acc. to VDE 0293-1, with or without GN/YE ground conductor up to 5 cored coloured acc. to HD 308 S2 resp. VDE 0293-308
Outer sheath	Polyurethane compound TMPU, acc. to EN 50363-10-2 Colour: orange, similar to RAL 2003

## Electrical properties at 20 °C

Nominal voltage	U <sub>0</sub> /U: 450 / 750 V
Test voltage	core / core: 2500 V AC

## Mechanical and thermal properties

Minimum bending radius	acc. to EN 50565-1 D < 12 mm: for flexible use: 5 x outer diameter fixed installation: 3 x outer diameter mechanically stressed: 9 x outer diameter 12 mm < D < 20 mm: for flexible use: 6 x outer diameter fixed installation: 4 x outer diameter mechanically stressed: 9 x outer diameter D > 20 mm: flexibler Einsatz: 6 x outer diameter fest verlegt: 4 x outer diameter mechanisch belastet: 10 x outer diameter
Temperature range	acc. to EN 50565-2 highest permissible operating temperature on the conductor: +90 °C highest permissible short-circuit temperature on the conductor: +250 °C highest temperature at the cable surface: +80 °C highest temperature during storage: +40 °C lowest ambient temperature during installation and handling: -40 °C
Oil resistance	acc. to EN 50363-10-2
<b>Tests</b>	acc. to IEC 60811 resp. 60811, EN 50395, EN 50396
<b>General requirements</b>	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)
<b>Environmental information</b>	These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).
<b>Note</b>	Trade product, no Lapp product

AbN  
automation

Creator: HESC / PDC	Document: DB0013620EN	Page 1 of 1
Released: ALTE / PDC	Version: 02	