

0013600	DATA SHEET	
valid from: 01.10.2022	H05BQ-F former ÖLFLEX® 550 P	

Application

H05BQ-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 medium 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/mm² of conductor cross-section during installation and operation. Compulsory guidance is not permitted.

H05BQ-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.

H05BQ-F cables are resistant against cuts, microbe proof and hydrolysis resistant.

Application range:

Acc. to EN 50565-2: For use in domestic premises, kitchens and offices, for ordinary duty applications and supplying appliances where cables are subject to low mechanical stresses (e.g. vacuum cleaners, cooking appliances, soldering irons, toasters, domestic portable tools, hand held inspection lamps)

Design

Design	H05BQ-F acc. to EN 50525-2-21
Certification	<HAR> H05BQ-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 that is VDE 0293-308
Outer sheath	Polyurethane compound TPU, acc. to EN 50363-10-2 Colour: orange, similar to RAL 2003

Electrical properties at 20 °C

Nominal voltage	U ₀ /U: 300 / 500 V
Test voltage	core / core: 2000 V AC

Mechanical and thermal properties

Minimum bending radius	acc. to EN 50565-1 for flexible use: 5 x outer diameter fixed installation: 3 x outer diameter mechanically stressed: 9 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

Tests

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

General requirements

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

Environmental information

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

Note

Trade product, no Lapp product

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