

0027590	DATA SHEET	
valid from: 01.01.2019	ÖLFLEX® SF	

Application

ÖLFLEX® SF cables are high flexible power cables for flexible use for connecting of small machinery and equipment, operated mainly by hand. H05VV-F cable types may not be used in commercial premises, with the exception of offices. They are for use in dry, damp, wet rooms, but not for permanent outdoor use.

Application range:

as power cable for domestic appliances, electrical tools and various hand man tools

Design

Design	≤ 5 cores: H05VV-F acc. to EN 50525-2-11 resp. VDE 0285-525-2-11 ≥ 7 cores: based on EN 50525-2-11 resp. VDE 0285-525-2-11
Conductor	super fine wire strands of bare copper, acc. to IEC 60228 resp. VDE 0295 (0,07mm single wire diameter)
Insulation	PVC compound TI4 acc. to EN 50363-3 resp. VDE 0207-363-3 with increased requirements
Core identification code	acc. to. VDE 0293-1, with or without GN/YE protective conductor with up to 5 cores: acc. to VDE 0293-308 / HD 308 S2 more than 6 cores: black cores with white numbers acc. to DIN EN 50334 resp. VDE 0293-334
Outer sheath	PVC special compound TM2, cold flexibel, with increased requests, acc. to EN50363-4-1 resp. VDE 0207-363-4-1 colour: orange, similar RAL 2003

Electrical properties at 20°C

Rated voltage	U ₀ / U: 300 / 500 V
Test voltage	core / core 3000 V AC

Mechanical and thermal properties

Minimum bending radius	occasional flexing: 10 x cable diameter fixed installation: 4 x cable diameter
Temperature range	occasional flexing: -15 °C up to +60 °C max. conductor temperature
Flammability	flame retardant acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2
Tests	acc. to IEC 60811, EN 50395, EN 50396
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

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