

ÖLFLEX® SF**DB 0027590**

valid from: 2013-02-22

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

Approval	≤ 5 cores: H05VV-F acc. to EN 50525-2-11 resp. VDE 0285-525-2-11 / HD 21.5 S3 + A1 + A2 resp. VDE 0281-5 ≥ 7 cores: in support to EN 50525-2-11 resp. VDE 0285-525-2-11 / HD 21.5S3 + A1 + A2 resp. VDE0281-5
Conductor	super fine wire strands of bare copper, acc. to IEC 60228 resp. VDE 0295 (0,07mm each wire diameter)
Core insulation	PVC special compound with increased requests, T14 acc. to EN50363-3 resp. VDE 0207-363-3
Core identification	Control cables: acc. to VDE 0293-1, with or without GN/YE ground conductor up to 5 cores coloured in acc. to HD 308 S2 that is VDE 0293-308 7 and more cores: black cores with white numbers in acc. to DIN EN 50334 resp. VDE 0293-334
Outer sheath	PVC special compound TM2, with increased requests, acc. to EN50363-4-1 resp. VDE 0207-363-4-1 colour: orange, similar RAL 2003

Electrical properties

Nominal voltage	U ₀ /U:	300 / 500 V
Test voltage	Core/Core:	3000 V AC

Mechanical and thermal properties

Min. bending radius	occasional flexing:	10 x outer diameter
	fixed installation:	4 x outer diameter
Temperature range	flexing:	-15 °C up to +60 °C max. conductor temperature
Flammability		flame retardant in acc. with IEC 60332-1-2 resp. VDE 0482-332-1-2
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 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).