

Suggested Copy for Lapp Limited in Farnell Catalogue

SILFLEX SiHF

(Farnell: Temperature Resistant Halogen Free Silicon Multi-core cable -50° to +180°C)

Application

SILFLEX® SiHF are silicone cables and are recommended for use in the case of high ambient temperatures and sufficient ventilation and small mechanical stress. SILFLEX SiHF is resistant against mineral oil, alcohol, acids, alkalis, salt solution and salt water (at 20 °C). After combustion, a SiO₂ ash skeleton remains, which has still good insulating properties but has no more any mechanical stability. The gasses are halogen free and not corrosive.

Design

	in acc. to V DE 0250 part 816
Conductor	strand made of tinned copper wires acc. to IEC 228, that is VDE 0295 class 5
Core insulation	silicone based compound 2GI1 in acc. to VDE 0207 part 20
Identification	up to 5 cores in acc. to V DE 0293, more than 5 cores black with white numbers
Outer sheath	silicone based compound in acc. to VDE 0207 part 21 (2GM1) Outer sheath colour red RAL 3000

Electrical properties at 20° C

Nominal voltage	300 / 500 V
Test voltage	2000 V AC

Mechanical and thermal properties

Min. bending radius	for flexing use 15 x cable diameter
Flame retardant	in acc. to IEC 60 332.1 resp. V DE 0482 part 265-2-1
Halogen-free	in acc. to IEC 754-1
Tests	in acc. to V DE 0472 and IEC 811-x.x that is V DE 0473
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive).