

ÖLFON® PTFE

FIO Catalogue Description: [**Lapp Olflon PTFE High Temperature Cables**](#)

ÖLFON® PTFE are heat resistant insulated wires for use for wiring and connections in switch cabinets. Additional to the excellent mechanical and physical properties ÖLFON® PTFE single cores are marked through excellent electrical values, excellent oil-, weathering resistance and UV protection, high elongation and tensile strength and not flammable. ÖLFON® PTFE are resistant against water, acids, caustics solutions, synthetic liquids and oils.

Design

Conductor	silver plated copper, fine wire strand
Design	in support to MIL-W 16878/4A: Type E MIL-W 16878/5A: Type EE
Core insulation	PTFE compound 5YI1 in accordance to VDE 0207 part 6

Electrical properties at 20°C

Nominal voltage	Typ E:	600 V
	Typ EE:	1000 V
Test voltage	Typ E:	3400 V

Mechanical and thermal properties

Temp. range	-190°C up to +260°C max. conductor temperature Short time: +300°C
Min. bending radius	10 x cable diameter
Flame retardant	in acc. to IEC 60 332.1 resp. VDE 0482 part 265-2-1
Tests	in acc. to VDE 0472 and IEC 811-x.x that is VDE 0473
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive).