

## **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<br>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<br>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).        |