

# ÖLFLEX® CLASSIC 400 P / 400 CP

PUR control cable with numbered cores and optimized design,  
NEW: with DESINA® conform design in larger cross-sections available

mechanical,  
chemical &  
UV-resistant

LAPP KABEL STUTTGART ÖLFLEX® CLASSIC 400 P

CE



LAPP KABEL STUTTGART ÖLFLEX® CLASSIC 400 P DESINA®

CE



LAPP KABEL STUTTGART ÖLFLEX® CLASSIC 400 CP

CE



## ÖLFLEX® CLASSIC 400 P

### Application

ÖLFLEX® CLASSIC 400 P is particularly suitable as control cable and power supply cable for machine tools, machines and apparatus engineering. Wherever cables are exposed to wear and tear under extreme conditions is ÖLFLEX® CLASSIC 400 P the right solution. ÖLFLEX® CLASSIC 400 P can be used outdoors if the temperature range will be observed. Suitable for free, not continuously movement appliance without tensile load or compulsory guidance as well as for fixed installation.

### ÖLFLEX® CLASSIC 400 CP

These screened ÖLFLEX® CLASSIC 400 CP cables are necessary wherever signal transmissions can be distort by interference of electrical or magnetic fields.

### Special Feature

The high-grade PVC insulation and sheath materials enable ÖLFLEX® CLASSIC 400 P/CP to achieve smallest cable diameters and thus reduces the space requirements for the cable. The improved LAPP PVC compound P 8/1 meets the highest electrical and mechanical demands. The high test voltage of 4000 V AC affords the highest insulation safety. ÖLFLEX® PUR cables are resistant against almost all mineral oils and are very resistant against wear and tear. The special sheath compound of ÖLFLEX® PUR cables are also microbe proof and hydrolysis resistant. ÖLFLEX® PUR cables are manufactured free of lacquer destructive substances (silicone free). DESINA® conform version with black outer sheath.

### Note

All versions of ÖLFLEX® CLASSIC 400 P/CP are designed for the nominal voltage class U0/U: 300/500 Volt. For optimum earthing of the braid we recommend to use our glands, see up to page 9.22 and up to page 9.40. For continuously moving applications see page A2. The product is conform to EEC directive 73/23 (Low Voltage Directive) CE.

More products conforming to DESINA® see page A9.

### ÖLFLEX® CLASSIC 400 CP

Fine wire strands of bare copper wire, special PVC based core insulation, cores twisted in layers, black with consecutive numbering in white and one green-yellow core identified as protective conductor. Inner sheath of special PVC compound, screen braiding of tinned copper wire, special polyurethane outer sheath, microbe-, hydrolysis- and oil-resistant, silver-grey (RAL 7001).

### Cable Make-up

#### ÖLFLEX® CLASSIC 400 P

Fine wire strands of bare copper wire, special PVC-based core insulation, cores twisted in layers, black with consecutive numbering in white; version G: one green-yellow core identified as protective conductor, version X: without protective conductor, special polyurethane outer sheath, microbe proved, hydrolysis and oil resistant, silver-grey (RAL 7001). For DESINA® versions, same construction with black PUR outer sheath.

## Technical Data

Minimum bending radius for ÖLFLEX® CLASSIC 400 P flexing: 12,5 x outer diameter static: 4 x outer diameter ÖLFLEX® CLASSIC 400 CP flexing: 20 x outer diameter static: 6 x outer diameter

Temperature range:  
flexing: -5 °C up to +70 °C  
static: -40 °C up to +80 °C

Conductor stranding:  
fine wire in accordance to VDE 0295, class 5 / IEC 228 Cl.5

Core ident code:  
black cores with white numbers (VDE 0293)

Protective conductor:  
ÖLFLEX® CLASSIC 400 P  
G = with GN/YE  
X = without GN/YE  
ÖLFLEX® CLASSIC 400 CP  
G = GN/YE  
X = without GN/YE

Nominal voltage U0/U:  
ÖLFLEX® CLASSIC 400 P  
300/500 V  
ÖLFLEX® CLASSIC 400 CP  
300/500 V

Insulation: specific insulation resistance:  
ÖLFLEX® CLASSIC 400 P  
> 20 GOhm x cm  
ÖLFLEX® CLASSIC 400 CP  
> 20 GOhm x cm

Test voltage:  
ÖLFLEX® CLASSIC 400 P  
4000 V  
ÖLFLEX® CLASSIC 400 CP  
4000 V

In accordance to:  
ÖLFLEX® CLASSIC 400 P  
VDE Reg. Nr. 7030  
sheath in accordance to VDE  
0250/0282  
ÖLFLEX® CLASSIC 400 CP  
cores in accordance to VDE  
0812/0245  
sheath in accordance to VDE  
0250