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| DATA SHEET | 0016001 |
| ÖLFLEX® CLASSIC 100 SY | valid from : 15.07.2004 |

Application

ÖLFLEX® CLASSIC 100 SY cables are connecting- and control cables for flexible use and fixed installation for medium mechanical use. They are for use in dry, damp and wet rooms. They may only be installed outdoors with UV-protection and in observation of the temperature range. At room temperature they are generally resistant against acids, caustics solutions and certain oils. ÖLFLEX® CLASSIC 100 SY cables are used as supply and flexible connecting cable in machine tool manufacture, plant engineering, in power stations, in heating and air conditioning installations, etc. Suitable for freely moved without forced guidance and tensile stress. The braid of galvanized steel-wires is an additional mechanical protection. ÖLFLEX® CLASSIC 100 SY may not be stored outside.

Technical data

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| Conductor | bare copper, fine wire strand in accordance to IEC 60 228 that is VDE 0295, class 5 | |
| Design | in accordance to HD 21.13S1 that is VDE 0281-13 | |
| Core insulation | LAPP special PVC-compound P 8/1, better than the PVC compound TI2 in accordance to VDE 0207 part 4 | |
| Identification | with up to 5 cores are colored-coded in acc. to HD 186 resp. VDE 0293. or HD308S2 that is VDE 0293-308; cables with more than 5 cores are color-coded in acc. to LAPP-ÖLFLEX color code. | |
| Inner sheath | PVC compound TM2 in acc. to VDE 0207 part 5 with increased requests to LAPP specification | |
| Braid | galvanized steel-wires, coverage = 70 % (nominal value) | |
| Outer sheath | PVC compound TM2 in acc. to VDE 0207 part 5 with increased requests to LAPP specification | |
| Nominal voltage | 0, 5 mm ² to 1, 5 mm ² : | 300 / 500 V |
| | from 2, 5 mm ² : | 450 / 750 V |
| | from 2, 5 mm ² , fixed and protected installation: | 600 / 1000 V |
| Test voltage | 4000 V AC | |
| Temp. range | for flexible use -5 to +70° C max. conductor temperature fixed installation -40 to +80° C max. conductor temperature | |
| Min. bending radius | flex. use: 20 x cable diameter fixed installation: 6 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 60 811-x.x that is VDE 0473 | |
| EC directive | this cable confirms to ECD 73/23/EEC (low voltage directive). | |

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| elaborated by: TE-K: M. Herb | Document: DB0016001_2EN | page 1 of 1 |
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