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| <b>DATA SHEET</b>                        | 0026100                    |
| <b>ÖLFLEX-FD<sup>®</sup> CLASSIC 810</b> | valid from :<br>28.03.2000 |

## Application

ÖLFLEX-FD<sup>®</sup> CLASSIC 810 cables are especially high-flexible PVC connecting and control cables for flexible use and fixed installation for middle mechanical use. They are for use in dry, damp or wet rooms. They may only be installed outdoors with UV-protection and in observation of the temperature range. ÖLFLEX-FD<sup>®</sup> CLASSIC 810 cables are at room temperature generally resistant against acids and caustics solution. ÖLFLEX-FD<sup>®</sup> CLASSIC 810 cables are for use as control and connection cables in automation, assembly and robotics, on and in assembly and production lines. They are special for use in power chains, automatic manipulators, in permanently moved machine parts. Usage on motor drum guidance or under a strain of more than 15 N/mm<sup>2</sup> is not allowed.

## Technical data

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| Conductor           | bare copper, superfine wire strand in accordance to IEC 228 that is VDE 0295, class 6                 |
| Design              | in acc. to HD 21.13S1 that is VDE 0281-13, VDE 0282-10, VDE 0245 part 102 (draft) , partly in support |
| Core insulation     | LAPP special PVC-compound P8/1, better than the PVC compound T12 in accordance to VDE 0207 part 4     |
| Identification      | in acc. to HD 186 that is VDE 0293, black cores with white numbers with green/yellow ground conductor |
| Outer sheath        | PVC-compound TM2 in acc. to VDE 0207 part 5 with increased requests to LAPP specification             |
| Nominal voltage     | 300/500 V   |
| Test voltage        | 4000 V AC   |
| Temp. range         | flex. use 0 up to +70° C max. conductor temperature   |
| Min. bending radius | flex. use 7,5 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).   |

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