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| DATA SHEET | 0026001 |
| ÖLFLEX® HEAT 105 SC and 105 MC | valid from : 18.01.2008 |

Application

ÖLFLEX® HEAT 105 SC and 105 MC single and multi cores, are insulated resp. surrounded with a heat resistant PVC compound. They are suitable for use in dry and damp rooms, but not outside. In the case of room temperature they are generally resistant against acids, caustic solutions and certain oils. Continuous, busy movements, usage of these cables in moving cable carriers, respectively on motor drum guidance or under a strain of more than 15 N/mm² is not allowed.

Design

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| Conductor | from 0,5 mm ² : fine strands of bare copper wires acc. to IEC 60228 resp. VDE 0295, class 5 |
| Design | single cores: SC 0,25 - 1,0 mm ² in acc. to HD 21.7 resp. VDE 0281-7 (H05V2-K) 1,50 - 10,0 mm ² in acc. to HD 21.7 resp. VDE 0281-7 (H07V2-K) cables: MC in acc. to HD 21.12 resp. VDE 0281-12 (H05V2V2-F) |
| Core insulation | PVC compound TI3 in acc. to HD 21.1 resp. VDE 0281-1 |
| Identification | acc. to VDE 0293-1, with or without gn/ye ground conductor up to 5 cores coloured acc. to HD 308 S2 resp. VDE 0293-308 more than 5 cores acc. to ÖLFLEX colour code |
| Outer sheath | PVC compound TM3 in acc. to HD 21.1 resp. VDE 0281-1 |

Electrical properties at 20 °C

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| Nominal voltage | single cores: SC for 0,25 - 1,0 mm ² : 300/500 V for 1,50 - 10,0 mm ² : 450/750 V cables: MC 300/500 V |
| Test voltage | 2500 V AC |

Mechanical and thermal properties

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| Temperature range | fixed installation -20 °C up to + 90 °C max. conductor temperature for short time until + 105 °C max. conductor temperature |
| Min. bending radius | SC: 4 x cable diameter for fixed installation MC: 4 x cable diameter for fixed installation 15 x cable diameter for flex. applications |
| Flame retardant | in acc. to IEC 60332-1-2 resp. VDE 482-332-1-2 |
| Tests | in acc. to IEC 60811-x-x resp. VDE 0473 part 811-x-x, VDE 0472 |
| EC directive | this cable confirms to ECD 2006/95/EC (low voltage directive). |

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| elaborated by: TE-K: M. Herb / R. Krämer | Document: DB0026001EN | page 1 of 1 |
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