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| U.I. Lapp GmbH | PRODUCT INFORMATION | LAPP GROUP |
|---|---|---|
| | **ÖLFLEX® HEAT 105 MC** | **29.11.2013** |

Colour-coded connection cables made of high heat-resistant PVC
Possible to operate at higher peak temperature (almost 30% more) compared to conventional PVC cables




CE RoHS

Temperature-resistant

UV-resistant

**Info**
Based on H05V2V2-F

**Application range**
For connection of motors, transformers, reels, plants, machines, appliances, switch cabinets and other installations with a higher operating or ambient temperature

**Design**
Fine-wire strand made of bare copper wires
Core insulation: PVC, high heat-resistance
Cores twisted in layers
Outer sheath: PVC, heat-resistant, black (RAL 9005)

**Norm references / Approvals**
Based on VDE 0250 / 0285

**Product features**
Resistant to acids, alkalis and certain oils at room temperature
Flame-retardant according IEC 60332-1-2
Good UV-resistance

**Remark**
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
Photographs are not to scale and do not represent detailed images of the respective products.



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## Technical Data

| | |
|---|---|
| Core identification code: | Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9<br>From 7 cores: ÖLFLEX® colour code, refer to Appendix T7 |
| Classification: | ETIM 5.0 Class-ID: EC001578<br>ETIM 5.0 Class-Description: Flexible cable |
| Specific insulation resistance: | > 20 GOhm x cm |
| Conductor stranding: | Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm² |
| Minimum bending radius: | Occasional flexing: 15 x outer diameter<br>Fixed installation: 4 x outer diameter |
| Nominal voltage: | $U_0$/U: 300/500 V |
| Test voltage: | 2500 V |
| Protective conductor: | G = with GN-YE protective conductor<br>X = without protective conductor |
| Temperature range: | Fixed installation: -20°C to +90°C<br>Short-term: +105 °C |



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| Part number | Number of cores and mm² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|---|---|---|---|---|
| ÖLFLEX® HEAT 105 MC | | | | |
| 0026001 | 2 X 0,75 | 6,2 | 14.4 | 53 |
| 0026002 | 3 G 0,75 | 6,5 | 21.6 | 62 |
| 00260033 | 4 G 0,75 | 7,1 | 28.8 | 76 |
| 00260043 | 5 G 0,75 | 8.0 | 36.0 | 95 |
| 0026005 | 7 G 0,75 | 9,7 | 50.0 | 113 |
| | | | | |
| 0026006 | 2 X 1 | 6,5 | 19.2 | 61 |
| 0026007 | 3 G 1 | 6,9 | 29.0 | 74 |
| 00260083 | 4 G 1 | 7,7 | 38.4 | 89 |
| 00260093 | 5 G 1 | 8,4 | 48.0 | 110 |
| 0026010 | 7 G 1 | 10,2 | 67.0 | 130 |
| | | | | |
| 0026011 | 2 X 1,5 | 7,5 | 29.0 | 78 |
| 0026012 | 3 G 1,5 | 8,1 | 43.2 | 98 |
| 00260133 | 4 G 1,5 | 8,9 | 57.6 | 122 |
| 00260143 | 5 G 1,5 | 10.0 | 72.0 | 144 |
| 0026015 | 7 G 1,5 | 12,3 | 101.0 | 180 |



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