

## ÖLFLEX® SMART 108

Cost-effective VDE-registered PVC control cable

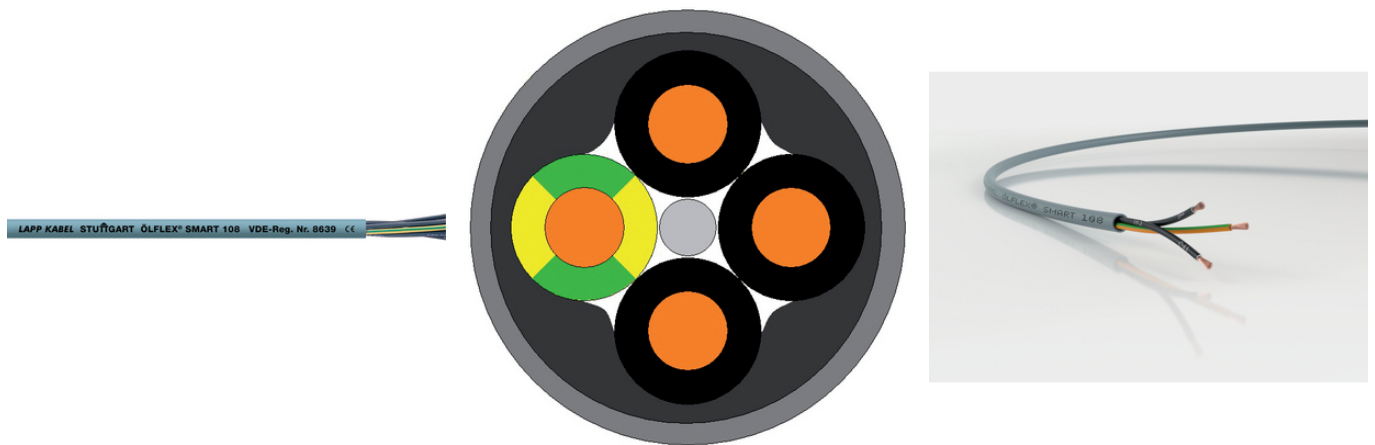
ÖLFLEX® SMART 108 - VDE-registered PVC control cable, flexible and numbered for various applications, 300/500V, also for YSLY or YY

### Info

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)

VDE certificate of conformity with  
factory surveillance

Only available in standard lengths and standard packagings



Good chemical resistance

### Benefits

SMART: good price/performance ratio – the ÖLFLEX® SMART 108 has everything a flexible control cable needs

SMART: environmentally friendly – internal sheath layer made from recycled PVC with the same high quality of the TM2 model

### Application range

For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load

Dry or damp rooms that are subject to medium mechanical loads

Main dimensions available, further dimensions see ÖLFLEX® CLASSIC 110

For extended applications and individual lengths, see ÖLFLEX® CLASSIC 110

### Product features

Flame-retardant according IEC 60332-1-2

Good chemical resistance, see catalogue appendix T1

Oil resistance: see data sheet

### Norm references / Approvals

VDE reg. no. 8639

Last Update (15.10.2024)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

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## ÖLFLEX® SMART 108

### Product Make-up

Fine-wire strand made of bare copper wires

PVC insulation, T12

Two-layer PVC outer sheath, TM2; outside silvergrey

### Technical Data

|                           |                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------|
| Classification ETIM 5:    | ETIM 5.0 Class-ID: EC000104<br>ETIM 5.0 Class-Description: Control cable          |
| Classification ETIM 6:    | ETIM 6.0 Class-ID: EC000104<br>ETIM 6.0 Class-Description: Control cable          |
| Core identification code: | Black with white numbers acc. to VDE 0293-334                                     |
| Conductor stranding:      | Fine wire according to DIN EN 60228 (VDE 0295), class 5 / IEC 60228 class 5       |
| Minimum bending radius:   | Occasional flexing: 15 x outer diameter<br>Fixed installation: 4 x outer diameter |
| Nominal voltage:          | U0/U: 300/500 V                                                                   |
| Test voltage:             | 4000 V                                                                            |
| Protective conductor:     | G = with GN-YE protective conductor<br>X = without protective conductor           |
| Temperature range:        | Occasional flexing: -5 °C to +70 °C<br>Fixed installation: -40 °C to +80 °C       |

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Standard packaging: ring = RG, drum = DR

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

# ÖLFLEX® SMART 108

| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---------------------------------------------------|---------------------|----------------------|----------------|
| 17520099       | 2 X 0.5                                           | 4.8                 | 9.6                  | 35             |
| 10030099       | 3 G 0.5                                           | 5.1                 | 14.4                 | 42             |
| 17530099       | 3 X 0.5                                           | 5.1                 | 14.4                 | 42             |
| 10040099       | 4 G 0.5                                           | 5.7                 | 19.2                 | 54             |
| 17540099       | 4 X 0.5                                           | 5.7                 | 19.2                 | 54             |
| 10050099       | 5 G 0.5                                           | 6.2                 | 24                   | 63             |
| 10070099       | 7 G 0.5                                           | 6.7                 | 33.6                 | 81             |
| 18020099       | 2 X 0.75                                          | 5.4                 | 14.4                 | 45             |
| 11030099       | 3 G 0.75                                          | 5.7                 | 21.6                 | 55             |
| 18030099       | 3 X 0.75                                          | 5.7                 | 21.6                 | 55             |
| 11040099       | 4 G 0.75                                          | 6.2                 | 28.8                 | 66             |
| 18040099       | 4 X 0.75                                          | 6.2                 | 28.8                 | 66             |
| 11050099       | 5 G 0.75                                          | 6.7                 | 36                   | 79             |
| 11070099       | 7 G 0.75                                          | 7.3                 | 50                   | 101            |
| 18520099       | 2 X 1.0                                           | 5.7                 | 19.2                 | 53             |
| 12030099       | 3 G 1.0                                           | 6                   | 28.8                 | 65             |
| 12040099       | 4 G 1.0                                           | 6.5                 | 38.4                 | 79             |
| 12050099       | 5 G 1.0                                           | 7.1                 | 48                   | 94             |
| 12070099       | 7 G 1.0                                           | 8                   | 67                   | 126            |
| 19020099       | 2 X 1.5                                           | 6.3                 | 29                   | 68             |
| 13030099       | 3 G 1.5                                           | 6.7                 | 43                   | 84             |
| 13040099       | 4 G 1.5                                           | 7.2                 | 58                   | 104            |
| 13050099       | 5 G 1.5                                           | 8.1                 | 72                   | 128            |
| 13070099       | 7 G 1.5                                           | 8.9                 | 101                  | 166            |
| 19520099       | 2 X 2.5                                           | 7.5                 | 48                   | 101            |
| 14030099       | 3 G 2.5                                           | 8.1                 | 72                   | 132            |
| 14040099       | 4 G 2.5                                           | 8.9                 | 96                   | 163            |
| 14050099       | 5 G 2.5                                           | 10                  | 120                  | 200            |
| 14070099       | 7 G 2.5                                           | 11.1                | 168                  | 267            |