

### Product Description

Additional mechanical protection due to steel wire braid



### Application range

- Plant engineering and construction Industrial machinery Air conditioning installations
- Areas with increased mechanical stress requirements

### Benefits

- Additional mechanical protection due to steel wire braid

### Design

- Fine strands of bare copper wires
- PVC insulation LAPP P8/1
- PVC inner sheath, grey
- Oxidation protected steel wire braid
- PVC outer sheath, transparent

### Product features

- Flame retardant according to IEC 60332-1-2
- Good chemical resistance see Appendix T1

## Technical Data

### Core identification code

Up to 5 cores: according to VDE 0293-308 (appendix T9)

Starting at 6 cores: ÖLFLEX® colour code (appendix T7)

### Based on

IEC 60227-5 HD 21.5 S3

VDE 0281 Part 5

HD 21.13 S1

VDE 0281 Part 13

### Specific insulation resistance

> 20 GOhm x cm

### Conductor stranding

Fine wire in accordance to VDE 0295 Class 5 / IEC 60228 Class 5

### Minimum bending radius

Occasional flexing: 20 x cable diameter

Fixed installed: 6 x outer diameter

### Rated voltage

Up to 1.5 mm²: U0/U: 300/500 V

Starting at 2.5 mm²: U0/U: 450/750 V Starting at 2.5 mm², fixed and protected installation: U0/U: 600/1000 V

### Test voltage

4000 V

### Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

### Range of temperature

Occasional flexing: -5°C up to +70°C

Fixed installation: -40°C up to +80°C

## Article List

Part number	Number of cores and mm² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® CLASSIC 100 SY; U0/U: 300/500 V				
0016022	2 X 0,75	8,2	14.4	97
0016023	3 G 0,75	8,5	21.6	108
00160243	4 G 0,75	9,2	28.8	126
00160253	5 G 0,75	9,7	36.0	146
0016027	7 G 0,75	10,3	50.0	172
0016031	12 G 0,75	12,9	86.0	260
0016042	2 X 1,0	8,5	19.2	137
0016043	3 G 1,0	8,8	29.0	154
00160443	4 G 1,0	9,5	38.4	180
00160453	5 G 1,0	10,1	48.0	202
0016047	7 G 1,0	11.0	67.0	242
0016057	25 G 1,0	18,1	240.0	653

0016064	2 X 1,5	9,3	29.0	172
0016065	3 G 1,5	9,7	43.0	191
00160663	4 G 1,5	10,2	58.0	217
00160673	5 G 1,5	11,1	72.0	268
0016069	7 G 1,5	11,9	101.0	311
0016072	12 G 1,5	15,4	173.0	499
0016075	18 G 1,5	17,6	259.0	652
0016077	25 G 1,5	20,3	360.0	913
0016078	32 G 1,5	22,1	461.0	1065
ÖLFLEX® CLASSIC 100 SY; U0/U: 450/750 V				
0016087	2 X 2,5	12,1	48.0	245
0016088	3 G 2,5	12,6	72.0	278
00160893	4 G 2,5	13,9	96.0	339
00160903	5 G 2,5	15,2	120.0	397
0016092	7 G 2,5	16,3	168.0	470
0016101	2 X 4	13,6	76.8	329
00161023	4 G 4	15,7	154.0	457
00161033	5 G 4	17,1	192.0	545
0016106	3 G 6	15,8	173.0	544
00161073	4 G 6	17,2	230.0	687
00161083	5 G 6	18,8	288.0	798
00161103	4 G 10	21,3	384.0	1009
00161113	5 G 10	23,3	480.0	1197
00161133	4 G 16	24,1	614.0	1384
00161143	5 G 16	26,8	768.0	1740
00161163	4 G 25	29,4	960.0	2021
00161173	5 G 25	32,6	1200.0	2464
00161183	4 G 35	32,4	1344.0	2570
00161193	5 G 35	36.0	1680.0	3185
00161203	4 G 50	38,8	1920.0	3514

## Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Single lengths for sizes: ≥ 4G35 max. 500m; ≥ 4G95 max. 400m

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