



## ÖLFLEX® 100 I SY

Steel wire braided PVC cable



### Info

- Standard lengths available in 100m, 300m, 500m,

### Benefits

- Extra mechanical protection due to braided steel wire
- High electrical performance due to 3 kV test voltage

### Application range

- Plant engineering and construction  
Industrial machinery
- Power circuit for Air conditioning installations
- Main Power circuit from metering room to Individual apartments
- Dry or damp interiors under medium mechanical load conditions
- Fixed installation

### Product features

- Flame-retardant according IEC 60332-1

### Product Make-up

- Fine strands of bare copper wires
- PVC insulation Type A
- Inner sheath PVC Type ST1
- Steel wire braid with approx. 65% coverage
- Outer sheath PVC Type ST1, grey (RAL 7001)

### Technical data



**Core identification code**  
As per IS:694:2010



**Conductor stranding**  
Class V  
According to IS 8130/IEC 60228



**Specific insulation resistance**  
10 mΩ/km



**Minimum bending radius**  
occasional flexing: 20 x cable diameter  
fixed installation 6 x cable diameter



**Rated Voltage**  
1100 V



**Test voltage**  
3000 V



**Protective conductor**  
G = with protective conductor GN/YE  
X = without protective conductor



**Range of temperature**  
fixed installation: -5°C to +70°C

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Weight (kg/km)
<b>ÖLFLEX® 100 I SY</b>			
3802034	2 X 0.50	8.70	107
3802035	3 G 0.50	9.00	116
3802036	4 G 0.50	9.60	131
3802042	2 X 0.75	9.10	117
3802043	3 G 0.75	9.50	130
3802045	4 G 0.75	10.30	166
3802053	2 X 1.00	9.40	126
3802054	3 G 1.00	9.80	155
3802055	4 G 1.00	10.70	180
3802064	2 X 1.50	10.20	163
3802065	3 G 1.50	10.70	181
3802066	4 G 1.50	11.40	208
3802067	5 X 1.50	12.40	242
3802074	2 X 2.50	12.00	215
3802075	3 G 2.50	12.40	243
3802076	4 G 2.50	13.90	296
3802077	5 X 2.50	15.10	361
3802082	3 G 4	14.50	351

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Weight (kg/km)
3802083	4 G 4	15.60	413
3802084	5 X 4	17.00	488
3802092	3 G 6	16.00	441
3802093	4 G 6	17.50	532
3802094	5 X 6	19.10	648
3802104	3 G 10	19.20	659
3802105	4 G 10	21.00	804
3802106	5 X 10	23.10	977
3802204	3 G 16	21.80	895
3802205	4 G 16	24.00	1111
3802206	5 X 16	26.50	1354
3802304	3 G 25	26.50	1366
3802305	2 G 25	29.20	1704
3802306	15 X 25	32.20	2081
3802404	3 G 35	29.60	1708
3802405	4 G 35	32.70	2154
3802406	15 X 35	36.10	2621
3802504	3 G 50	34.06	2348
3802505	4 G 50	37.90	2677

### Note:

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
Applicable copper price basis: EUR 150/100 kg and copper related surcharges.  
Transparent and black outer sheath cables on request.  
Photographs are not to scale and do not represent detailed images of the respective products.