



# ÖLFLEX® 100 I SY FRLS

Steel wire braided PVC FRLS 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
- Protection of human life and the environment due to low smoke and low toxicity.

### 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
- Low smoke
- Low halogen

### 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 FRLS</b>			
3803034	2 X 0.50	8.70	108
3803035	3 G 0.50	9.00	117
3803036	4 G 0.50	9.60	239
3803042	2 X 0.75	9.10	119
3803043	3 G 0.75	9.50	133
3803045	4 G 0.75	10.30	167
3803053	2 X 1.00	9.40	127
3803054	3 G 1.00	9.80	156
3803055	4 G 1.00	10.70	182
3803064	2 X 1.50	10.20	164
3803065	3 G 1.50	10.70	182
3803066	4 G 1.50	11.40	209
3803067	5 X 1.50	12.40	243
3803074	2 X 2.50	12.00	216
3803075	3 G 2.50	12.40	245
3803076	4 G 2.50	13.90	298
3803077	5 X 2.50	15.10	364
3803082	4 G 4	14.50	354

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Weight (kg/km)
3803083	4 G 4	15.60	415
3803084	4 X 4	17.00	491
3803092	3 G 6	16.00	444
3803093	4 G 6	17.50	536
3803094	5 X 6	19.10	652
3803104	3 G 10	19.20	663
3803105	4 G 10	21.10	809
3803106	5 X 10	23.10	982
3803204	3 G 16	21.80	900
3803205	4 G 16	24.00	1117
3803206	15 X 6	26.50	1361
3803304	3 G 25	26.50	1373
3803305	4 G 25	29.20	1712
3803306	5 X 25	32.20	2091
3803404	3 G 35	29.60	1716
3803405	4 G 35	32.60	2163
3803406	5 X 35	36.10	2632
3803504	3 G 50	34.00	2358
3803505	4 G 50	37.90	2687

### 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.