



ÖLFLEX® 100 I SY

Colour coded PVC power and control cable with steel wired braiding

Info

- Steel wire Braiding for extra mechanical protection



Benefits

- Extra mechanical protection due to braided steel wire
- High electrical performance due to 4 kV test voltage

Application range

- Plant engineering and installation, Industrial machinery
- Power circuit for Air conditioning installations
- Main power circuit to individual apartments

- Area with high mechanical stress
- Fixed installation

Product features

- Flame retardant: According to IEC 60332-1

Product Make-up

- Conductor : Bare copper wires of fine strands
- PVC insulation Type A
- Inner Sheath : PVC Type ST 1
- Steel wire braid with approx. 65% coverage
- Outer Sheath: PVC ST 1 Grey (RAL 7001)

Technical data

- Core identification code**
Coloured
- Conductor stranding**
Bare copper, fine wire strand class 5 in acc. to IS 8130-1984
- Minimum bending radius**
Occasional fixing Installation: 20 x OD,
Fixed installation: 6 X Cable OD
- Nominal voltage**
UM : 1100, Up to and including 1100 V
- Temperature range**
-15°C up to +70°C

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® 100 I SY					
380100205	2 X 0.5	8.8	grey	9.0	117
380100305	3 X 0.5	9.2	grey	14.0	132
380100315	3 G 0.5	9.2	grey	14.0	132
380100405	4 X 0.5	9.9	grey	18.0	149
380100415	4 G 0.5	9.9	grey	18.0	149
380100505	5 X 0.5	10.7	grey	23.0	166
380100515	5 G 0.5	10.7	grey	23.0	166
380110205	2 X 0.75	9.3	grey	13.0	134
380110305	3 X 0.75	9.7	grey	20.0	148
380110315	3 G 0.75	9.7	grey	20.0	148
380110405	4 X 0.75	10.5	grey	26.0	168
380110415	4 G 0.75	10.5	grey	26.0	168
380110505	5 X 0.75	11.3	grey	33.0	202
380110515	5 G 0.75	11.3	grey	33.0	202
380120205	2 X 1.0	9.6	grey	17.0	144
380120305	3 X 1.0	10.1	grey	26.0	160
380120315	3 G 1.0	10.1	grey	26.0	160
380120405	4 X 1.0	10.9	grey	34.0	197
380120415	4 G 1.0	10.9	grey	34.0	197
380120505	5 X 1.0	11.8	grey	43.0	221
380120515	5 G 1.0	11.8	grey	43.0	221
380130205	2 X 1.5	10.3	grey	25.0	165
380130305	3 X 1.5	10.9	grey	37.0	191
380130315	3 G 1.5	10.9	grey	37.0	191
380130405	4 X 1.5	11.8	grey	50.0	226
380130415	4 G 1.5	11.8	grey	50.0	226
380130505	5 X 1.5	12.8	grey	62.0	166
380130515	5 G 1.5	12.8	grey	62.0	166
380140205	2 X 2.5	12.0	grey	42.0	222
380140305	3 X 2.5	12.7	grey	63.0	260
380140315	3 G 2.5	12.7	grey	63.0	260
380140405	4 X 2.5	13.8	grey	84.0	313
380140415	4 G 2.5	13.8	grey	84.0	313
380140505	5 X 2.5	15.1	grey	105.0	366
380140515	5 G 2.5	15.1	grey	105.0	366
380150305	3 X 4.0	14.5	grey	104.0	369
380150315	3 G 4.0	14.5	grey	104.0	369
380150405	4 X 4.0	15.9	grey	138.0	447
380150415	4 G 4.0	15.9	grey	138.0	447
380150505	5 X 4.0	17.4	grey	173.0	530
380150515	5 G 4.0	17.4	grey	173.0	530
380160305	3 X 6.0	16.1	grey	158.0	477
380160315	3 G 6.0	16.1	grey	158.0	477
380160405	4 X 6.0	17.7	grey	210.0	578
380160415	4 G 6.0	17.7	grey	210.0	578
380160505	5 X 6.0	19.4	grey	263.0	686
380160515	5 G 6.0	19.4	grey	263.0	686

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
380161205	2 X 10.0	18.5	grey	173.0	587
380161305	3 X 10.0	19.7	grey	260.0	711
380161315	3 G 10.0	19.7	grey	260.0	711
380161405	4 X 10.0	21.8	grey	346.0	885
380161415	4 G 10.0	21.8	grey	346.0	885
380161505	5 X 10.0	24.0	grey	433.0	1,057
380161515	5 G 10.0	24.0	grey	433.0	1,057
380162305	3 X 16.0	22.3	grey	407.0	983
380162315	3 G 16.0	22.3	grey	407.0	983
380162405	4 X 16.0	24.7	grey	542.0	1,210
380162415	4 G 16.0	24.7	grey	542.0	1,210
380162505	5 X 16.0	27.3	grey	678.0	1,483
380162515	5 G 16.0	27.3	grey	678.0	1,483
380163305	3 X 25.0	27.3	grey	670.0	1,480
380163315	3 G 25.0	27.3	grey	670.0	1,480
380163405	4 X 25.0	30.3	grey	893.0	1,866
380163415	4 G 25.0	30.3	grey	893.0	1,866
380163505	5 X 25.0	33.6	grey	1,117.0	2,255
380163515	5 G 25.0	33.6	grey	1,117.0	2,255
380164305	3 X 35.0	30.7	grey	886.0	1,877
380164315	3 G 35.0	30.7	grey	886.0	1,877
380164405	4 X 35.0	34.1	grey	1,181.0	2,347
380164415	4 G 35.0	34.1	grey	1,181.0	2,347
380164505	5 X 35.0	37.8	grey	1,476.0	2,851
380164515	5 G 35.0	37.8	grey	1,476.0	2,851
380165305	3 X 50.0	35.6	grey	1,244.0	2,604
380165315	3 G 50.0	35.6	grey	1,244.0	2,604
380165405	4 X 50.0	39.6	grey	1,659.0	3,269
380165415	4 G 50.0	39.6	grey	1,659.0	3,269
380166305	3 X 70.0	43.5	grey	1,968.0	3,792
380166315	3 G 70.0	43.5	grey	1,968.0	3,792
ÖLFLEX 100 I SY UVAR					
380100225	2 X 0.5	8.8	grey	9.0	117
380100325	3 X 0.5	9.2	grey	14.0	133
380100335	3 G 0.5	9.2	grey	14.0	133
380100425	4 X 0.5	9.9	grey	18.0	150
380100435	4 G 0.5	9.9	grey	18.0	150
380100525	5 X 0.5	10.7	grey	23.0	167
380100535	5 G 0.5	10.7	grey	23.0	167
380110225	2 X 0.75	9.3	grey	13.0	135
380110325	3 X 0.75	9.7	grey	20.0	149
380110335	3 G 0.75	9.7	grey	20.0	149
380110425	4 X 0.75	10.5	grey	26.0	169
380110435	4 G 0.75	10.5	grey	26.0	169
380110525	5 X 0.75	11.3	grey	33.0	203
380110535	5 G 0.75	11.3	grey	33.0	203
380120225	2 X 1.0	9.6	grey	17.0	145
380120325	3 X 1.0	10.1	grey	26.0	161
380120335	3 G 1.0	10.1	grey	26.0	161
380120425	4 X 1.0	10.9	grey	34.0	198
380120435	4 G 1.0	10.9	grey	34.0	198
380120525	5 X 1.0	11.8	grey	43.0	222
380120535	5 G 1.0	11.8	grey	43.0	222
380130225	2 X 1.5	10.3	grey	25.0	166
380130325	3 X 1.5	10.9	grey	37.0	192
380130335	3 G 1.5	10.9	grey	37.0	192
380130425	4 X 1.5	11.8	grey	50.0	227
380130435	4 G 1.5	11.8	grey	50.0	227
380130525	5 X 1.5	12.8	grey	62.0	167
380130535	5 G 1.5	12.8	grey	62.0	167
380140225	2 X 2.5	12.0	grey	42.0	223
380140325	3 X 2.5	12.7	grey	63.0	261
380140335	3 G 2.5	12.7	grey	63.0	261
380140425	4 X 2.5	13.8	grey	84.0	314
380140435	4 G 2.5	13.8	grey	84.0	314
380140525	5 X 2.5	15.1	grey	105.0	367
380140535	5 G 2.5	15.1	grey	105.0	367
380150325	3 X 4.0	14.5	grey	104.0	370
380150335	3 G 4.0	14.5	grey	104.0	370
380150425	4 X 4.0	15.9	grey	138.0	448
380150435	4 G 4.0	15.9	grey	138.0	448
380150525	5 X 4.0	17.4	grey	173.0	531
380150535	5 G 4.0	17.4	grey	173.0	531
380160325	3 X 6.0	16.1	grey	158.0	478
380160335	3 G 6.0	16.1	grey	158.0	478
380160425	4 X 6.0	17.7	grey	210.0	579
380160435	4 G 6.0	17.7	grey	210.0	579
380160525	5 X 6.0	19.4	grey	263.0	687
380160535	5 G 6.0	19.4	grey	263.0	687
380161225	2 X 10.0	18.5	grey	173.0	588
380161325	3 X 10.0	19.7	grey	260.0	712
380161335	3 G 10.0	19.7	grey	260.0	712
380161425	4 X 10.0	21.8	grey	346.0	886
380161435	4 G 10.0	21.8	grey	346.0	886
380161525	5 X 10.0	24.0	grey	433.0	1,058

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
380161535	5 G 10.0	24.0	grey	433.0	1,058
380162325	3 X 16.0	22.3	grey	407.0	984
380162335	3 G 16.0	22.3	grey	407.0	984
380162425	4 X 16.0	24.7	grey	542.0	1,211
380162435	4 G 16.0	24.7	grey	542.0	1,211
380162525	5 X 16.0	27.3	grey	678.0	1,484
380162535	5 G 16.0	27.3	grey	678.0	1,484
380163325	3 X 25.0	27.3	grey	670.0	1,481
380163335	3 G 25.0	27.3	grey	670.0	1,481
380163425	4 X 25.0	30.3	grey	893.0	1,867
380163435	4 G 25.0	30.3	grey	893.0	1,867
380163525	5 X 25.0	33.6	grey	1,117.0	2,256
380163535	5 G 25.0	33.6	grey	1,117.0	2,256
380164325	3 X 35.0	30.7	grey	886.0	1,878
380164335	3 G 35.0	30.7	grey	886.0	1,878
380164425	4 X 35.0	34.1	grey	1,181.0	2,348
380164435	4 G 35.0	34.1	grey	1,181.0	2,348
380164525	5 X 35.0	37.8	grey	1,476.0	2,852
380164535	5 G 35.0	37.8	grey	1,476.0	2,852
380165325	3 X 50.0	35.6	grey	1,244.0	2,605
380165335	3 G 50.0	35.6	grey	1,244.0	2,605
380165425	4 X 50.0	39.6	grey	1,659.0	3,270
380165435	4 G 50.0	39.6	grey	1,659.0	3,270
380166325	3 X 70.0	43.5	grey	1,968.0	3,793
380166335	3 G 70.0	43.5	grey	1,968.0	3,793
380100200	2 X 0.5	8.8	transparent	9.0	111
380100300	3 X 0.5	9.2	transparent	14.0	125
380100310	3 G 0.5	9.2	transparent	14.0	125
380100400	4 X 0.5	9.9	transparent	18.0	141
380100410	4 G 0.5	9.9	transparent	18.0	141
380100500	5 X 0.5	10.7	transparent	23.0	157
380100510	5 G 0.5	10.7	transparent	23.0	157
380110200	2 X 0.75	9.3	transparent	13.0	127
380110300	3 X 0.75	9.7	transparent	20.0	141
380110310	3 G 0.75	9.7	transparent	20.0	141
380110400	4 X 0.75	10.5	transparent	26.0	159
380110410	4 G 0.75	10.5	transparent	26.0	159
380110500	5 X 0.75	11.3	transparent	33.0	193
380110510	5 G 0.75	11.3	transparent	33.0	193
380120200	2 X 1.0	9.6	transparent	17.0	136
380120300	3 X 1.0	10.1	transparent	26.0	152
380120310	3 G 1.0	10.1	transparent	26.0	152
380120400	4 X 1.0	10.9	transparent	34.0	187
380120410	4 G 1.0	10.9	transparent	34.0	187
380120500	5 X 1.0	11.8	transparent	43.0	211
380120510	5 G 1.0	11.8	transparent	43.0	211
380130200	2 X 1.5	10.3	transparent	25.0	157
380130300	3 X 1.5	10.9	transparent	37.0	181
380130310	3 G 1.5	10.9	transparent	37.0	181
380130400	4 X 1.5	11.8	transparent	50.0	216
380130410	4 G 1.5	11.8	transparent	50.0	216
380130500	5 X 1.5	12.8	transparent	62.0	157
380130510	5 G 1.5	12.8	transparent	62.0	157
380140200	2 X 2.5	12.0	transparent	42.0	212
380140300	3 X 2.5	12.7	transparent	63.0	249
380140310	3 G 2.5	12.7	transparent	63.0	249
380140400	4 X 2.5	13.8	transparent	84.0	300
380140410	4 G 2.5	13.8	transparent	84.0	300
380140500	5 X 2.5	15.1	transparent	105.0	351
380140510	5 G 2.5	15.1	transparent	105.0	351
380150300	3 X 4.0	14.5	transparent	104.0	353
380150310	3 G 4.0	14.5	transparent	104.0	353
380150400	4 X 4.0	15.9	transparent	138.0	429
380150410	4 G 4.0	15.9	transparent	138.0	429
380150500	5 X 4.0	17.4	transparent	173.0	509
380150510	5 G 4.0	17.4	transparent	173.0	509
380160300	3 X 6.0	16.1	transparent	158.0	458
380160310	3 G 6.0	16.1	transparent	158.0	458
380160400	4 X 6.0	17.7	transparent	210.0	557
380160410	4 G 6.0	17.7	transparent	210.0	557
380160500	5 X 6.0	19.4	transparent	263.0	661
380160510	5 G 6.0	19.4	transparent	263.0	661
380161200	2 X 10.0	18.5	transparent	173.0	564
380161300	3 X 10.0	19.7	transparent	260.0	685
380161310	3 G 10.0	19.7	transparent	260.0	685
380161400	4 X 10.0	21.8	transparent	346.0	855
380161410	4 G 10.0	21.8	transparent	346.0	855
380161500	5 X 10.0	24.0	transparent	433.0	1,021
380161510	5 G 10.0	24.0	transparent	433.0	1,021
380162300	3 X 16.0	22.3	transparent	407.0	950
380162310	3 G 16.0	22.3	transparent	407.0	950
380162400	4 X 16.0	24.7	transparent	542.0	1,172
380162410	4 G 16.0	24.7	transparent	542.0	1,172
380162500	5 X 16.0	27.3	transparent	678.0	1,436
380162510	5 G 16.0	27.3	transparent	678.0	1,436

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
380163300	3 X 25.0	27.3	transparent	670.0	1,435
380163310	3 G 25.0	27.3	transparent	670.0	1,435
380163400	4 X 25.0	30.3	transparent	893.0	1,811
380163410	4 G 25.0	30.3	transparent	893.0	1,811
380163500	5 X 25.0	33.6	transparent	1,117.0	2,190
380163510	5 G 25.0	33.6	transparent	1,117.0	2,190
380164300	3 X 35.0	30.7	transparent	886.0	1,822
380164310	3 G 35.0	30.7	transparent	886.0	1,822
380164400	4 X 35.0	34.1	transparent	1,181.0	2,280
380164410	4 G 35.0	34.1	transparent	1,181.0	2,280
380164500	5 X 35.0	37.8	transparent	1,476.0	2,771
380164510	5 G 35.0	37.8	transparent	1,476.0	2,771
380165300	3 X 50.0	35.6	transparent	1,244.0	2,527
380165310	3 G 50.0	35.6	transparent	1,244.0	2,527
380165400	4 X 50.0	39.6	transparent	1,659.0	3,177
380165410	4 G 50.0	39.6	transparent	1,659.0	3,177
380166300	3 X 70.0	43.5	transparent	1,968.0	3,691
380166310	3 G 70.0	43.5	transparent	1,968.0	3,691

Unless specified otherwise, the shown product values are nominal values at room temperature. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

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