



ÖLFLEX® 100 I CY

Colour coded screened PVC power and control cable

Info

- EMC - Compliant



Benefits

- EMC Compliant
- 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
- Fixed Installation

- In EMC- sensitive environments (Electromagnetic compatibility)

Product features

- Flame retardant: According to IEC 60332-1

Product Make-up

- Conductor : Bare copper wires of fine strands
- Insulation : PVC Type A
- Inner Sheath : PVC Type ST 1
- Copper 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 CY					
380400205	2 X 0.5	8.1	grey	35.0	107
380400315	3 G 0.5	8.5	grey	40.0	117
380400305	3 X 0.5	8.5	grey	40.0	117
380400415	4 G 0.5	9.2	grey	49.0	141
380400405	4 X 0.5	9.2	grey	49.0	141
380400515	5 G 0.5	10.0	grey	55.0	157
380400505	5 X 0.5	10.0	grey	55.0	157
380410205	2 X 0.75	8.6	grey	40.0	118
380410315	3 G 0.75	9.0	grey	50.0	136
380410305	3 X 0.75	9.0	grey	50.0	136
380410415	4 G 0.75	9.8	grey	58.0	159
380410405	4 X 0.75	9.8	grey	58.0	159
380410515	5 G 0.75	10.6	grey	66.0	179
380410505	5 X 0.75	10.6	grey	66.0	179
380420205	2 X 1.0	8.9	grey	47.0	131
380420315	3 G 1.0	9.4	grey	57.0	152
380420305	3 X 1.0	9.4	grey	57.0	152
380420415	4 G 1.0	10.2	grey	67.0	175
380420405	4 X 1.0	10.2	grey	67.0	175
380420515	5 G 1.0	11.1	grey	79.0	205
380420505	5 X 1.0	11.1	grey	79.0	205
380430205	2 X 1.5	9.6	grey	56.0	157
380430315	3 G 1.5	10.2	grey	70.0	177
380430305	3 X 1.5	10.2	grey	70.0	177
380430415	4 G 1.5	11.1	grey	86.0	214
380430405	4 X 1.5	11.1	grey	86.0	214
380430515	5 G 1.5	12.1	grey	102.0	157
380430505	5 X 1.5	12.1	grey	102.0	157
380440205	2 X 2.5	11.3	grey	78.0	210
380440315	3 G 2.5	12.0	grey	100.0	242
380440305	3 X 2.5	12.0	grey	100.0	242
380440415	4 G 2.5	13.1	grey	126.0	300
380440405	4 X 2.5	13.1	grey	126.0	300
380440515	5 G 2.5	14.6	grey	168.0	374
380440505	5 X 2.5	14.6	grey	168.0	374
380450315	3 G 4.0	14.1	grey	168.0	376
380450305	3 X 4.0	14.1	grey	168.0	376
380450415	4 G 4.0	15.4	grey	211.0	446
380450405	4 X 4.0	15.4	grey	211.0	446
380450515	5 G 4.0	16.9	grey	249.0	526
380450505	5 X 4.0	16.9	grey	249.0	526
380460315	3 G 6.0	15.6	grey	230.0	482
380460305	3 X 6.0	15.6	grey	230.0	482
380460415	4 G 6.0	17.2	grey	286.0	572
380460405	4 X 6.0	17.2	grey	286.0	572
380460515	5 G 6.0	18.9	grey	348.0	684
380460505	5 X 6.0	18.9	grey	348.0	684

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
380461205	2 X 10.0	18.1	grey	257.0	594
380461315	3 G 10.0	19.5	grey	347.0	718
380461305	3 X 10.0	19.5	grey	347.0	718
380461415	4 G 10.0	21.5	grey	469.0	916
380461405	4 X 10.0	21.5	grey	469.0	916
380461515	5 G 10.0	23.8	grey	572.0	1,096
380461505	5 X 10.0	23.8	grey	572.0	1,096
380462315	3 G 16.0	22.1	grey	541.0	1,009
380462305	3 X 16.0	22.1	grey	541.0	1,009
380462415	4 G 16.0	24.5	grey	689.0	1,249
380462405	4 X 16.0	24.5	grey	689.0	1,249
380462515	5 G 16.0	27.1	grey	834.0	1,505
380462505	5 X 16.0	27.1	grey	834.0	1,505
380463315	3 G 25.0	27.1	grey	825.0	1,515
380463305	3 X 25.0	27.1	grey	825.0	1,515
380463415	4 G 25.0	30.0	grey	1,079.0	1,915
380463405	4 X 25.0	30.0	grey	1,079.0	1,915
380463515	5 G 25.0	33.3	grey	1,323.0	2,316
380463505	5 X 25.0	33.3	grey	1,323.0	2,316
380464315	3 G 35.0	30.5	grey	1,072.0	1,927
380464305	3 X 35.0	30.5	grey	1,072.0	1,927
380464415	4 G 35.0	33.8	grey	1,384.0	2,395
380464405	4 X 35.0	33.8	grey	1,384.0	2,395
380464515	5 G 35.0	37.6	grey	1,711.0	2,922
380464505	5 X 35.0	37.6	grey	1,711.0	2,922
380465315	3 G 50.0	35.4	grey	1,465.0	2,658
380465305	3 X 50.0	35.4	grey	1,465.0	2,658
380465415	4 G 50.0	39.4	grey	1,900.0	3,305
380465405	4 X 50.0	39.4	grey	1,900.0	3,305
380466305	3 X 70.0	43.2	grey	2,219.0	3,860
380466315	3 G 70.0	43.2	grey	2,219.0	3,860
380400225	2 X 0.5	8.1	grey	35.0	107
380400335	3 G 0.5	8.5	grey	40.0	118
380400325	3 X 0.5	8.5	grey	40.0	118
380400435	4 G 0.5	9.2	grey	49.0	142
380400425	4 X 0.5	9.2	grey	49.0	142
380400535	5 G 0.5	10.0	grey	55.0	158
380400525	5 X 0.5	10.0	grey	55.0	158
380410225	2 X 0.75	8.6	grey	40.0	119
380410335	3 G 0.75	9.0	grey	50.0	137
380410325	3 X 0.75	9.0	grey	50.0	137
380410435	4 G 0.75	9.8	grey	58.0	160
380410425	4 X 0.75	9.8	grey	58.0	160
380410535	5 G 0.75	10.6	grey	66.0	180
380410525	5 X 0.75	10.6	grey	66.0	180
380420225	2 X 1.0	8.9	grey	47.0	132
380420335	3 G 1.0	9.4	grey	57.0	153
380420325	3 X 1.0	9.4	grey	57.0	153
380420435	4 G 1.0	10.2	grey	67.0	176
380420425	4 X 1.0	10.2	grey	67.0	176
380420535	5 G 1.0	11.1	grey	79.0	206
380420525	5 X 1.0	11.1	grey	79.0	206
380430225	2 X 1.5	9.6	grey	56.0	158
380430335	3 G 1.5	10.2	grey	70.0	178
380430325	3 X 1.5	10.2	grey	70.0	178
380430435	4 G 1.5	11.1	grey	86.0	215
380430425	4 X 1.5	11.1	grey	86.0	215
380430535	5 G 1.5	12.1	grey	102.0	158
380430525	5 X 1.5	12.1	grey	102.0	158
380440225	2 X 2.5	11.3	grey	78.0	211
380440335	3 G 2.5	12.0	grey	100.0	243
380440325	3 X 2.5	12.0	grey	100.0	243
380440435	4 G 2.5	13.1	grey	126.0	300
380450335	4 G 2.5	14.1	grey	126.0	377
380440425	4 X 2.5	13.1	grey	126.0	301
380440525	5 X 2.5	14.6	grey	168.0	375
380440535	5 X 2.5	14.6	grey	168.0	374
380450325	3 X 4.0	14.1	grey	168.0	377
380450435	4 G 4.0	15.4	grey	211.0	447
380450425	4 X 4.0	15.4	grey	211.0	447
380450535	5 G 4.0	16.9	grey	249.0	527
380450525	5 X 4.0	16.9	grey	249.0	527
380460335	3 G 6.0	15.6	grey	230.0	483
380460325	3 X 6.0	15.6	grey	230.0	483
380460435	4 G 6.0	17.2	grey	286.0	573
380460425	4 X 6.0	17.2	grey	286.0	573
380460535	5 G 6.0	18.9	grey	348.0	685
380460525	5 X 6.0	18.9	grey	348.0	685
380461225	2 X 10.0	18.1	grey	257.0	595
380461335	3 G 10.0	19.5	grey	347.0	719
380461325	3 X 10.0	19.5	grey	347.0	719
380461435	4 G 10.0	21.5	grey	469.0	917
380461425	4 X 10.0	21.5	grey	469.0	917
380461535	5 G 10.0	23.8	grey	572.0	1,097
380461525	5 X 10.0	23.8	grey	572.0	1,097

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
380462335	3 G 16.0	22.1	grey	541.0	1,010
380462325	3 X 16.0	22.1	grey	541.0	1,010
380462435	4 G 16.0	24.5	grey	689.0	1,250
380462425	4 X 16.0	24.5	grey	689.0	1,250
380462535	5 G 16.0	27.1	grey	834.0	1,506
380462525	5 X 16.0	27.1	grey	834.0	1,506
380463335	3 G 25.0	27.1	grey	825.0	1,516
380463325	3 X 25.0	27.1	grey	825.0	1,516
380463435	4 G 25.0	30.0	grey	1,079.0	1,916
380463425	4 X 25.0	30.0	grey	1,079.0	1,916
380463535	5 G 25.0	33.3	grey	1,323.0	2,317
380463525	5 X 25.0	33.3	grey	1,323.0	2,317
380464335	3 G 35.0	30.5	grey	1,072.0	1,928
380464325	3 X 35.0	30.5	grey	1,072.0	1,928
380464435	4 G 35.0	33.8	grey	1,384.0	2,396
380464425	4 X 35.0	33.8	grey	1,384.0	2,396
380464535	5 G 35.0	37.6	grey	1,711.0	2,923
380464525	5 X 35.0	37.6	grey	1,711.0	2,923
380465335	3 G 50.0	35.4	grey	1,465.0	2,659
380465325	3 X 50.0	35.4	grey	1,465.0	2,659
380465435	4 G 50.0	39.4	grey	1,900.0	3,306
380465425	4 X 50.0	39.4	grey	1,900.0	3,306
380466325	3 X 70.0	43.2	grey	2,219.0	3,861
380466335	3 G 70.0	43.2	grey	2,219.0	3,861
380400200	2 X 0.5	8.1	transparent	35.0	101
380400310	3 G 0.5	8.5	transparent	40.0	111
380400300	3 X 0.5	8.5	grey	40.0	111
380400410	4 G 0.5	9.2	grey	49.0	134
380400400	4 X 0.5	9.2	transparent	49.0	134
380400510	5 G 0.5	10.0	transparent	55.0	150
380400500	5 X 0.5	10.0	transparent	55.0	150
380410200	2 X 0.75	8.6	transparent	40.0	112
380410310	3 G 0.75	9.0	transparent	50.0	129
380410300	3 X 0.75	9.0	transparent	50.0	129
380410410	4 G 0.75	9.8	transparent	58.0	151
380410400	4 X 0.75	9.8	transparent	58.0	151
380410510	5 G 0.75	10.6	transparent	66.0	171
380410500	5 X 0.75	10.6	transparent	66.0	171
380420200	2 X 1.0	8.9	transparent	47.0	125
380420310	3 G 1.0	9.4	transparent	57.0	145
380420300	3 X 1.0	9.4	transparent	57.0	145
380420410	4 G 1.0	10.2	transparent	67.0	166
380420400	4 X 1.0	10.2	transparent	67.0	166
380420510	5 G 1.0	11.1	transparent	79.0	196
380420500	5 X 1.0	11.1	transparent	79.0	196
380430200	2 X 1.5	9.6	transparent	56.0	149
380430310	3 G 1.5	10.2	transparent	70.0	169
380430300	3 X 1.5	10.2	transparent	70.0	169
380430410	4 G 1.5	11.1	transparent	86.0	204
380430400	4 X 1.5	11.1	transparent	86.0	204
380430510	5 G 1.5	12.1	transparent	102.0	150
380430500	5 X 1.5	12.1	transparent	102.0	150
380440200	2 X 2.5	11.3	transparent	78.0	201
380440310	3 G 2.5	12.0	transparent	100.0	232
380440300	3 X 2.5	12.0	transparent	100.0	232
380440410	4 G 2.5	13.1	transparent	126.0	287
380440400	4 X 2.5	13.1	transparent	126.0	287
380440510	5 G 2.5	14.6	transparent	168.0	359
380440500	5 X 2.5	14.6	transparent	168.0	359
380450300	3 X 4.0	14.1	transparent	168.0	361
380450310	3 G 4.0	14.1	transparent	168.0	361
380450410	4 G 4.0	15.4	transparent	211.0	429
380450400	4 X 4.0	15.4	transparent	211.0	429
380450510	5 G 4.0	16.9	transparent	249.0	506
380450500	5 X 4.0	16.9	transparent	249.0	506
380460310	3 G 6.0	15.6	transparent	230.0	464
380460300	3 X 6.0	15.6	transparent	230.0	464
380460410	4 G 6.0	17.2	transparent	286.0	551
380460400	4 X 6.0	17.2	transparent	286.0	551
380460510	5 G 6.0	18.9	transparent	348.0	660
380460500	5 X 6.0	18.9	transparent	348.0	660
380461200	2 X 10.0	18.1	transparent	257.0	573
380461310	3 G 10.0	19.5	transparent	347.0	694
380461300	3 X 10.0	19.5	transparent	347.0	694
380461410	4 G 10.0	21.5	transparent	469.0	886
380461400	4 X 10.0	21.5	transparent	469.0	886
380461510	5 G 10.0	23.8	transparent	572.0	1,062
380461500	5 X 10.0	23.8	transparent	572.0	1,062
380462310	3 G 16.0	22.1	transparent	541.0	980
380462300	3 X 16.0	22.1	transparent	541.0	980
380462410	4 G 16.0	24.5	transparent	689.0	1,213
380462400	4 X 16.0	24.5	transparent	689.0	1,213
380462510	5 G 16.0	27.1	transparent	834.0	1,462
380462500	5 X 16.0	27.1	transparent	834.0	1,462
380463310	3 G 25.0	27.1	transparent	825.0	1,472

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
380463300	3 X 25.0	27.1	transparent	825.0	1,472
380463410	4 G 25.0	30.0	transparent	1,079.0	1,862
380463400	4 X 25.0	30.0	transparent	1,079.0	1,862
380463510	5 G 25.0	33.3	transparent	1,323.0	2,253
380463500	5 X 25.0	33.3	transparent	1,323.0	2,253
380464310	3 G 35.0	30.5	transparent	1,072.0	1,873
380464300	3 G 35.0	30.5	transparent	1,070.0	1,871
380464410	4 G 35.0	33.8	transparent	1,384.0	2,331
380464400	4 X 35.0	33.8	transparent	1,384.0	2,331
380464510	5 G 35.0	37.6	transparent	1,711.0	2,845
380464500	5 X 35.0	37.6	transparent	1,711.0	2,845
380465310	3 G 50.0	35.4	transparent	1,465.0	2,582
380465300	3 X 50.0	35.4	transparent	1,465.0	2,582
380465410	4 G 50.0	39.4	transparent	1,900.0	3,210
380465400	4 X 50.0	39.4	transparent	1,900.0	3,210
380466300	3 X 70.0	43.2	transparent	2,219.0	3,748
380466310	3 G 70.0	43.2	transparent	2,219.0	3,748

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 available and have been released for publication.

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