

ÖLFLEX® POWER LV (N)2XY

Low voltage power cables



Info

- Low voltage power cable 0.6/1 kV
- Unarmoured, XLPE/PVC



Application range

- For main power distribution and lighting circuits in residential, industrial and commercial areas
- Power and control circuit
- Telecom power supply

Product features

- Cable construction in acc. to IEC 60502-1
- Flame-retardant acc. to IEC 60332-1-2
- UV-resistant outer sheath for outdoor application

Approvals (Norm references)



Design

- Stranded plain annealed copper wires in circular or sectorial shape conductor
- XLPE core insulation
- PVC outer sheath, black

Technical data

- Core identification code**
acc. to BS 7671:2004
- Based on**
IEC 60502-1
- Specific insulation resistance**
> 1000 GOhm x cm
- Conductor stranding**
acc. to IEC 60228 Cl.2
- Minimum bending radius**
Fixed installation: 8 x cable diameter
- Nominal voltage**
U₀/U: 600/1000 V
- Test voltage**
3500 V
- Temperature range**
Fixed installation: -40°C to +90°C

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
Single core				
3800250	1 x 16	9.4	147.2	205
3800254	1 x 25	11.1	230.0	309
3800262	1 x 35	12.4	322.0	412
3800270	1 x 50	14.0	460.0	540
3800275	1 x 70	16.0	644.0	760
3800280	1 x 95	18.0	874.0	1020
3800285	1 x 120	20.0	1,104.0	1270
3800290	1 x 150	22.0	1,380.0	1560
3800295	1 x 185	24.7	1,702.0	1930
3800300	1 x 240	27.7	2,208.0	2510
3800305	1 x 300	30.6	2,760.0	3120
3800310	1 x 400	34.2	3,680.0	3970
3800311	1 x 500	38.0	4,600.0	4980
3800312	1 x 630	42.9	5,796.0	6400
3800313	1 x 800	47.3	7,360.0	8190
3800314	1 x 1000	52.6	9,200.0	10265
2 core				
3800235	2 x 1.5	10.0	28.2	130
3800238	2 x 2.5	10.8	46.0	165
3800241	2 x 4	11.9	73.6	210
3800244	2 x 6	13.1	110.4	270
3800247	2 x 10	14.9	184.0	390
3800251	2 x 16	17.2	294.4	450
3800255	2 x 25	20.5	460.0	820
3800264	2 x 35 (S)	18.8	651.0	880
3800271	2 x 50 (S)	21.0	930.0	1140
3800276	2 x 70 (S)	24.0	1,302.0	1560
3800281	2 x 95 (S)	26.9	1,767.0	2130
3800286	2 x 120 (S)	29.9	2,232.0	2640
3800291	2 x 150 (S)	33.4	2,790.0	3270
3800296	2 x 185 (S)	37.1	3,441.0	4040
3800301	2 x 240 (S)	45.0	4,464.0	5250
3800306	2 x 300 (S)	50.0	5,580.0	6560
3 core				
3800236	3 x 1.5	10.5	42.3	150
3800239	3 x 2.5	11.4	69.0	195
3800242	3 x 4	12.6	110.4	255
3800245	3 x 6	13.8	165.6	330
3800248	3 x 10	15.8	276.0	490
3800252	3 x 16	18.3	441.6	700
3800257	3 x 25	21.8	690.0	1000
3800266	3 x 35 (S)	22.0	976.5	1180
3800272	3 x 50 (S)	24.0	1,395.0	1600
3800277	3 x 70 (S)	28.0	1,953.0	2240
3800282	3 x 95 (S)	31.0	2,650.5	3050
3800287	3 x 120 (S)	35.5	3,348.0	3800
3800292	3 x 150 (S)	38.5	4,185.0	4640
3800297	3 x 185 (S)	43.0	5,161.5	5870
3800302	3 x 240 (S)	48.0	6,696.0	7670
3800307	3 x 300 (S)	54.0	8,370.0	9460
4 core				
3800237	4 x 1.5	11.5	56.4	175
3800240	4 x 2.5	12.5	92.0	225
3800243	4 x 4	13.8	147.2	305

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
3800246	4 x 6	15.2	220.8	405
3800249	4 x 10	17.5	368.0	600
3800253	4 x 16	20.0	588.8	870
3800260	4 x 25	24.0	920.0	1325
3800267	3 x 35 +16	24.8	1,113.2	1450
3800269	4 x 35 (S)	26.5	1,288.0	1600
3800273	3 x 50 +25	28.5	1,610.0	2050
3800274	4 x 50 (S)	30.1	1,840.0	2200
3800278	3 x 70 +35	33.2	2,254.0	2750
3800279	4 x 70 (S)	35.4	2,576.0	3050
3800283	3 x 95 +50	37.8	3,082.0	3750
3800284	4 x 95 (S)	40.2	3,496.0	4070
3800288	3 x 120 +70	42.6	3,956.0	4750
3800289	4 x 120 (S)	44.9	4,416.0	5195
3800293	3 x 150 +70	46.3	4,784.0	5700
3800294	4 x 150 (S)	49.8	5,520.0	6350
3800298	3 x 185 +95	52.1	5,980.0	7705
3800299	4 x 185 (S)	55.8	6,808.0	7890
3800303	3 x 240 +120	58.6	7,728.0	9250
3800304	4 x 240 (S)	62.9	8,832.0	10400
3800308	3 x 300 +150	65.0	9,660.0	11500
3800309	4 x 300 (S)	69.7	11,040.0	12810
5 core				
3804030	5 x 1.5	11.7	70.5	192
3803080	5 x 2.5	12.9	115.0	255
3803081	5 x 4	14.4	184.0	260
3803082	5 x 6	16.0	276.0	475
3804031	5 x 10	18.4	460.0	758
3804032	5 x 16	21.3	736.0	1135
3804033	5 x 25	26.0	1,150.0	1742
3804034	5 x 35	29.2	1,610.0	2355
6 core and above				
3804035	7 x 1.5	12.7	98.7	250
3803084	7G 1.5	12.7	98.7	250
3804036	12 x 1.5	16.2	169.2	375
3803085	12G 1.5	16.2	169.2	375
3804037	14 x 1.5	16.9	197.4	420
3804038	16 x 1.5	17.7	225.6	468
3804039	19 x 1.5	18.6	267.9	540
3804040	24 x 1.5	21.8	338.4	710
3803086	24G 1.5	21.8	338.4	710
3804041	27 x 1.5	22.1	380.7	737
3804042	37 x 1.5	24.7	521.7	970
3804043	48 x 1.5	28.1	676.8	1230
3804044	7 x 2.5	14.0	161.0	320
3803088	7G 2.5	14.0	161.0	320
3804045	12 x 2.5	18.0	276.0	475
3803089	12G 2.5	18.0	276.0	475
3804046	14 x 2.5	18.7	322.0	598
3804047	16 x 2.5	19.7	368.0	672
3804048	19 x 2.5	20.8	437.0	780
3804049	24 x 2.5	24.2	552.0	972
3804050	27 x 2.5	24.7	621.0	1075
3804051	37 x 2.5	27.6	851.0	1427
3804052	48 x 2.5	31.8	1,104.0	1836

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Photographs are not to scale and do not represent detailed images of the respective products.