

ÖLFLEX® POWER LV 2X LSZH
DS 382001130

valid from: 2018-03-31

Application

ÖLFLEX® POWER LV 2X LSZH is suitable for main power distribution and lighting circuits in residential and commercial buildings. Suitable for direct burial application. UV resistant outer sheath for outdoor application and anti-rodent properties is provided if resistance is required against rodents.

Design

Conductor	annealed bare copper Class II - in accordance to IS 8130
Standard	IS 7098 (Part-I)
Insulation	cross linked polyethylene in accordance to IS 7098-I
Inner Sheath	zero halogen compound with flame retardant low smoke properties
Outer Sheath	zero halogen compound with flame retardant low smoke properties

Electrical properties

Nominal voltage	1100 V
Test voltage	3 KV for 5 minutes

Mechanical properties

Min. bending radius	fixed installation:	15 x cable OD
Temperature range	fixed installation:	-5 °C up to +90 °C max. conductor temperature

Flame and other tests

Flammability	in acc. with IS 10810-53 / IEC 60332-1
Test	acc. to IS 10810
Oxygen Index:	> 30% in accordance to IS 10810(Part-58) / ASTM-D 2863
Temperature index	minimum 250 °C in accordance to IS 10810(Part-64) / ASTM-D 2863
Smoke density	maximum smoke density of 40% in acc. to IS 13360(Part 6/Sec 9) / ASTM-D 2843
Acid gas generation	HCL content maximum 0.5% in acc. to IS 10810(Part-59) / IEC 754-1

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Article number	Number of cores and mm ² per conductor	Nominal outer diameter (mm)	Copper weight (kg/km) Approx.	Weight (kg/km) Approx.
ÖLFLEX® POWER LV 2X LSZH - RI2XHXXHXBK				
382001130	2x1.5	11.0	26.6	173.2
382001131	3x1.5	11.5	40.0	194.7
382001132	4x1.5	12.3	53.3	226.5
382001133	5x1.5	13.1	66.6	259.9
382001134	6x1.5	14.0	79.9	260.1
382001135	7x1.5	14.0	93.2	278.4
382001136	8x1.5	15.4	106.6	315.1
382001137	9x1.5	16.4	119.9	346.5
382001138	10x1.5	17.0	133.2	372.6
382001139	11x1.5	17.0	146.5	391.0
382001140	12x1.5	17.5	159.8	415.9
382001141	13x1.5	18.3	173.2	444.7
382001142	14x1.5	18.3	186.5	463.0
382001143	15x1.5	19.1	199.8	491.8
382001144	16x1.5	19.1	213.1	510.2
382001145	17x1.5	20.4	226.4	561.3
382001146	18x1.5	20.4	239.7	579.7
382001147	19x1.5	20.4	253.1	598.1
382001148	20x1.5	21.4	266.4	630.5
382001149	21x1.5	21.4	279.7	648.9
382001150	22x1.5	22.4	293.0	681.3
382001151	23x1.5	22.4	306.3	699.7
382001152	24x1.5	23.4	319.7	732.1
382001153	25x1.5	23.4	333.0	750.5
382001154	26x1.5	23.4	346.3	768.9
382001155	27x1.5	23.9	359.6	794.3
382001156	28x1.5	24.7	372.9	823.9
382001157	29x1.5	24.7	386.3	842.3
382001158	30x1.5	24.7	399.6	860.6
382001159	31x1.5	25.5	412.9	890.2
382001160	32x1.5	25.5	426.2	908.6
382001161	33x1.5	25.5	439.5	927.0
382001162	34x1.5	26.4	452.9	958.0
382001163	35x1.5	26.4	466.2	976.4
382001164	36x1.5	26.4	479.5	994.7
382001165	37x1.5	26.4	492.8	1,013.1
382001166	38x1.5	27.4	506.1	1,045.5
382001167	39x1.5	27.4	519.5	1,063.9
382001168	40x1.5	27.4	532.8	1,082.3
382001169	41x1.5	28.4	546.1	1,114.7
382001170	42x1.5	28.4	559.4	1,133.1
382001171	43x1.5	28.4	572.7	1,151.4
382001172	44x1.5	29.4	586.1	1,183.9
382001173	45x1.5	29.4	599.4	1,202.3
382001174	46x1.5	29.4	612.7	1,220.6
382001175	47x1.5	29.4	626.0	1,239.0
382001176	48x1.5	30.3	639.3	1,295.8
382001177	49x1.5	30.3	652.6	1,314.1
382001178	50x1.5	30.3	666.0	1,332.5
382001179	51x1.5	30.3	679.3	1,350.9
382001180	52x1.5	31.1	692.6	1,381.3
382001181	53x1.5	31.1	705.9	1,399.7
382001182	54x1.5	31.1	719.2	1,418.0
382001183	55x1.5	31.1	732.6	1,436.4
382001184	56x1.5	31.1	745.9	1,454.8
382001185	57x1.5	31.1	759.2	1,473.1
382001186	58x1.5	31.1	772.5	1,491.5
382001187	59x1.5	31.1	785.8	1,509.9
382001188	60x1.5	31.1	799.2	1,528.2
382001189	61x1.5	32.8	812.5	1,572.3
382001190	2x2.5	11.8	43.5	209.3
382001191	3x2.5	12.4	65.2	241.0
382001192	4x2.5	13.2	87.0	280.6
382001193	5x2.5	14.2	108.7	329.3
382001194	6x2.5	15.2	130.5	331.6
382001195	7x2.5	15.2	152.2	359.2
382001196	8x2.5	16.8	174.0	407.8
382001197	9x2.5	17.9	195.7	449.8
382001198	10x2.5	18.6	217.5	486.6
382001199	11x2.5	18.6	239.2	514.2
382001200	12x2.5	19.2	261.0	549.7
382001201	13x2.5	20.4	282.7	608.9
382001202	14x2.5	20.4	304.5	636.6
382001203	15x2.5	21.4	326.2	678.3

Article number	Number of cores and mm ² per conductor	Nominal outer diameter (mm)	Copper weight (kg/km) Approx.	Weight (kg/km) Approx.
382001204	16x2.5	21.4	348.0	706.0
382001205	17x2.5	22.4	369.7	747.7
382001206	18x2.5	22.4	391.5	775.4
382001207	19x2.5	22.4	413.2	803.1
382001208	20x2.5	23.5	435.0	846.2
382001209	21x2.5	23.5	456.7	873.9
382001210	22x2.5	24.7	478.5	918.5
382001211	23x2.5	24.7	500.2	946.1
382001212	24x2.5	25.8	522.0	989.3
382001213	25x2.5	25.8	543.7	1,017.0
382001214	26x2.5	25.8	565.5	1,044.6
382001215	27x2.5	26.3	587.2	1,079.4
382001216	28x2.5	27.2	609.0	1,119.7
382001217	29x2.5	27.2	630.7	1,147.4
382001218	30x2.5	27.2	652.5	1,175.0
382001219	31x2.5	28.2	674.2	1,216.8
382001220	32x2.5	28.2	696.0	1,244.5
382001221	33x2.5	28.2	717.7	1,272.1
382001222	34x2.5	29.2	739.5	1,313.9
382001223	35x2.5	29.2	761.2	1,341.6
382001224	36x2.5	29.2	783.0	1,369.2
382001225	37x2.5	29.2	804.7	1,396.9
382001226	38x2.5	30.7	826.5	1,471.8
382001227	39x2.5	30.7	848.2	1,499.5
382001228	40x2.5	30.7	870.0	1,527.2
382001229	41x2.5	31.9	891.7	1,573.0
382001230	42x2.5	31.9	913.5	1,600.7
382001231	43x2.5	31.9	935.2	1,628.4
382001232	44x2.5	33.0	957.0	1,672.7
382001233	45x2.5	33.0	978.7	1,700.3
382001234	46x2.5	33.0	1000.5	1,728.0
382001235	47x2.5	33.0	1022.2	1,755.7
382001236	48x2.5	33.5	1044.0	1,790.9
382001237	49x2.5	33.5	1065.7	1,818.6
382001238	50x2.5	33.5	1087.5	1,846.3
382001239	51x2.5	33.5	1109.2	1,873.9
382001240	52x2.5	34.4	1131.0	1,915.2
382001241	53x2.5	34.4	1152.7	1,942.9
382001242	54x2.5	34.4	1174.5	1,970.5
382001243	55x2.5	34.4	1196.2	1,998.2
382001244	56x2.5	34.4	1218.0	2,025.9
382001245	57x2.5	34.4	1239.7	2,053.6
382001246	58x2.5	34.4	1261.5	2,081.2
382001247	59x2.5	34.4	1283.2	2,108.9
382001248	60x2.5	34.4	1305.0	2,136.6
382001249	61x2.5	36.4	1326.7	2,194.5
382001269	2x4	12.8	69.2	260.1
382001270	2x6	14.0	103.6	326.3
382001271	2x10	15.8	174.3	448.4
382001272	2x16	18.0	277.4	619.9
382001273	2x25	21.8	438.8	930.3
382001274	2x35	24.2	608.9	1,196.8
382001275	2x50	22.8	820.2	1,159.3
382001276	2x70	25.5	1184.4	1,581.3
382001277	2x95	27.9	1644.7	2,087.9
382001278	2x120	30.8	2074.6	2,604.9
382001279	2x150	33.9	2559.8	3,170.2
382001280	2x185	37.0	3203.0	3,901.8
382001281	2x240	41.0	4209.8	5,044.3
382001282	2x300	44.7	5281.5	6,217.7
382001283	2x400	50.0	6753.6	7,888.9
382001284	3x4	13.4	103.8	302.6
382001285	3x6	14.7	155.4	386.5
382001286	3x10	16.7	261.5	546.3
382001287	3x16	19.1	416.1	769.9
382001288	3x25	23.1	658.3	1,159.2
382001289	3x35	25.7	913.3	1,508.1
382001290	3x50	25.9	1230.3	1,642.6
382001291	3x70	30.2	1776.6	2,304.9
382001292	3x95	35.3	2467.0	3,090.7
382001293	3x120	37.0	3112.0	3,791.8
382001294	3x150	40.9	3839.7	4,665.2
382001295	3x185	44.5	4804.5	5,750.7
382001296	3x240	48.9	6314.7	7,434.8
382001297	3x300	53.5	7922.3	9,233.4

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ÖLFLEX® POWER LV 2X LSZH - RI2XHXXH1BK				
382001298	3x400	59.3	10130.4	11,704.2
382001299	3.5x25	23.3	797.0	1,156.7
382001300	3.5x35	25.3	1052.0	1,449.5
382001301	3.5x50	28.3	1449.7	1,915.8
382001302	3.5x70	32.2	2081.0	2,663.0
382001303	3.5x95	36.2	2877.1	3,544.5
382001304	3.5x120	39.9	3704.2	4,467.8
382001305	3.5x150	44.1	4431.9	5,348.9
382001306	3.5x185	50.2	5626.9	6,756.7
382001307	3.5x240	55.0	7352.0	8,683.3
382001308	3.5x300	58.1	9202.2	10,723.8
382001309	3.5x400	65.9	11731.9	13,618.2
382001310	4x4	14.5	138.4	364.8
382001311	4x6	15.9	207.2	468.5
382001312	4x10	18.1	348.7	669.8
382001313	4x16	21.2	554.8	977.2
382001314	4x25	25.3	877.7	1,451.2
382001315	4x35	28.2	1217.7	1,897.9
382001316	4x50	28.0	1640.4	2,112.1
382001317	4x70	32.2	2368.8	2,967.5
382001318	4x95	35.5	3289.3	3,963.2
382001319	4x120	39.0	4149.3	4,916.4
382001320	4x150	43.3	5119.7	6,057.8
382001321	4x185	48.1	6406.0	7,548.8
382001322	4x240	53.7	8419.6	9,785.6
382001323	4x300	59.1	10563.0	12,166.2
ÖLFLEX® POWER LV 2X LSZH - RI2XHXXH1BK				
382001250	1x4	7.6	34.6	97.1
382001251	1x6	8.2	51.8	121.4
382001252	1x10	9.1	87.2	167.4
382001253	1x16	10.2	138.7	231.9
382001254	1x25	11.9	219.4	336.9
382001255	1x35	13.1	304.4	436.9
382001256	1x50	14.4	410.1	561.5
382001257	1x70	16.6	592.2	775.1
382001258	1x95	18.5	822.3	1,030.1
382001259	1x120	20.6	1037.3	1,293.0
382001260	1x150	22.5	1279.9	1,573.0
382001261	1x185	24.8	1601.5	1,940.3
382001262	1x240	27.5	2104.9	2,492.4
382001263	1x300	30.6	2640.8	3,110.3
382001264	1x400	33.9	3376.8	3,919.7
382001265	1x500	37.9	4336.3	4,969.5
382001266	1x630	42.3	5608.1	6,380.2
382001267	1x800	47.2	7181.4	8,116.9
382001268	1x1000	52.4	9017.6	10,138.8
ÖLFLEX® POWER LV 2X LSZH - RI2XHXXHUVAR1BK				
382001324	2x1.5	11.0	26.6	173.2
382001325	3x1.5	11.5	40.0	194.7
382001326	4x1.5	12.3	53.3	226.5
382001327	5x1.5	13.1	66.6	259.9
382001328	6x1.5	14.0	79.9	260.1
382001329	7x1.5	14.0	93.2	278.4
382001330	8x1.5	15.4	106.6	315.1
382001331	9x1.5	16.4	119.9	346.5
382001332	10x1.5	17.0	133.2	372.6
382001333	11x1.5	17.0	146.5	391.0
382001334	12x1.5	17.5	159.8	415.9
382001335	13x1.5	18.3	173.2	444.7
382001336	14x1.5	18.3	186.5	463.0
382001337	15x1.5	19.1	199.8	491.8
382001338	16x1.5	19.1	213.1	510.2
382001339	17x1.5	20.4	226.4	561.3
382001340	18x1.5	20.4	239.7	579.7
382001341	19x1.5	20.4	253.1	598.1
382001342	20x1.5	21.4	266.4	630.5
382001343	21x1.5	21.4	279.7	648.9
382001344	22x1.5	22.4	293.0	681.3
382001345	23x1.5	22.4	306.3	699.7
382001346	24x1.5	23.4	319.7	732.1
382001347	25x1.5	23.4	333.0	750.5
382001348	26x1.5	23.4	346.3	768.9
382001349	27x1.5	23.9	359.6	794.3
382001350	28x1.5	24.7	372.9	823.9

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382001351	29x1.5	24.7	386.3	842.3
382001352	30x1.5	24.7	399.6	860.6
382001353	31x1.5	25.5	412.9	890.2
382001354	32x1.5	25.5	426.2	908.6
382001355	33x1.5	25.5	439.5	927.0
382001356	34x1.5	26.4	452.9	958.0
382001357	35x1.5	26.4	466.2	976.4
382001358	36x1.5	26.4	479.5	994.7
382001359	37x1.5	26.4	492.8	1,013.1
382001360	38x1.5	27.4	506.1	1,045.5
382001361	39x1.5	27.4	519.5	1,063.9
382001362	40x1.5	27.4	532.8	1,082.3
382001363	41x1.5	28.4	546.1	1,114.7
382001364	42x1.5	28.4	559.4	1,133.1
382001365	43x1.5	28.4	572.7	1,151.4
382001366	44x1.5	29.4	586.1	1,183.9
382001367	45x1.5	29.4	599.4	1,202.3
382001368	46x1.5	29.4	612.7	1,220.6
382001369	47x1.5	29.4	626.0	1,239.0
382001370	48x1.5	30.3	639.3	1,295.8
382001371	49x1.5	30.3	652.6	1,314.1
382001372	50x1.5	30.3	666.0	1,332.5
382001373	51x1.5	30.3	679.3	1,350.9
382001374	52x1.5	31.1	692.6	1,381.3
382001375	53x1.5	31.1	705.9	1,399.7
382001376	54x1.5	31.1	719.2	1,418.0
382001377	55x1.5	31.1	732.6	1,436.4
382001378	56x1.5	31.1	745.9	1,454.8
382001379	57x1.5	31.1	759.2	1,473.1
382001380	58x1.5	31.1	772.5	1,491.5
382001381	59x1.5	31.1	785.8	1,509.9
382001382	60x1.5	31.1	799.2	1,528.2
382001383	61x1.5	32.8	812.5	1,572.3
382001384	2x2.5	11.8	43.5	209.3
382001385	3x2.5	12.4	65.2	241.0
382001386	4x2.5	13.2	87.0	280.6
382001387	5x2.5	14.2	108.7	329.3
382001388	6x2.5	15.2	130.5	331.6
382001389	7x2.5	15.2	152.2	359.2
382001390	8x2.5	16.8	174.0	407.8
382001391	9x2.5	17.9	195.7	449.8
382001392	10x2.5	18.6	217.5	486.6
382001393	11x2.5	18.6	239.2	514.2
382001394	12x2.5	19.2	261.0	549.7
382001395	13x2.5	20.4	282.7	608.9
382001396	14x2.5	20.4	304.5	636.6
382001397	15x2.5	21.4	326.2	678.3
382001398	16x2.5	21.4	348.0	706.0
382001399	17x2.5	22.4	369.7	747.7
382001400	18x2.5	22.4	391.5	775.4
382001401	19x2.5	22.4	413.2	803.1
382001402	20x2.5	23.5	435.0	846.2
382001403	21x2.5	23.5	456.7	873.9
382001404	22x2.5	24.7	478.5	918.5
382001405	23x2.5	24.7	500.2	946.1
382001406	24x2.5	25.8	522.0	989.3
382001407	25x2.5	25.8	543.7	1,017.0
382001408	26x2.5	25.8	565.5	1,044.6
382001409	27x2.5	26.3	587.2	1,079.4
382001410	28x2.5	27.2	609.0	1,119.7
382001411	29x2.5	27.2	630.7	1,147.4
382001412	30x2.5	27.2	652.5	1,175.0
382001413	31x2.5	28.2	674.2	1,216.8
382001414	32x2.5	28.2	696.0	1,244.5
382001415	33x2.5	28.2	717.7	1,272.1
382001416	34x2.5	29.2	739.5	1,313.9
382001417	35x2.5	29.2	761.2	1,341.6
382001418	36x2.5	29.2	783.0	1,369.2
382001419	37x2.5	29.2	804.7	1,396.9
382001420	38x2.5	30.7	826.5	1,471.8
382001421	39x2.5	30.7	848.2	1,499.5
382001422	40x2.5	30.7	870.0	1,527.2
382001423	41x2.5	31.9	891.7	1,573.0
382001424	42x2.5	31.9	913.5	1,600.7
382001425	43x2.5	31.9	935.2	1,628.4

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DS 382001130

valid from: 2018-03-31

Article number	Number of cores and mm ² per conductor	Nominal outer diameter (mm)	Copper weight (kg/km) Approx.	Weight (kg/km) Approx.
ÖLFLEX® POWER LV 2X LSZH - RI2XHXXUVAR 1BK				
382001426	44x2.5	33.0	957.0	1,672.7
382001427	45x2.5	33.0	978.7	1,700.3
382001428	46x2.5	33.0	1000.5	1,728.0
382001429	47x2.5	33.0	1022.2	1,755.7
382001430	48x2.5	33.5	1044.0	1,790.9
382001431	49x2.5	33.5	1065.7	1,818.6
382001432	50x2.5	33.5	1087.5	1,846.3
382001433	51x2.5	33.5	1109.2	1,873.9
382001434	52x2.5	34.4	1131.0	1,915.2
382001435	53x2.5	34.4	1152.7	1,942.9
382001436	54x2.5	34.4	1174.5	1,970.5
382001437	55x2.5	34.4	1196.2	1,998.2
382001438	56x2.5	34.4	1218.0	2,025.9
382001439	57x2.5	34.4	1239.7	2,053.6
382001440	58x2.5	34.4	1261.5	2,081.2
382001441	59x2.5	34.4	1283.2	2,108.9
382001442	60x2.5	34.4	1305.0	2,136.6
382001443	61x2.5	36.4	1326.7	2,194.5
382001463	2x4	12.8	69.2	260.1
382001464	2x6	14.0	103.6	326.3
382001465	2x10	15.8	174.3	448.4
382001466	2x16	18.0	277.4	619.9
382001467	2x25	21.8	438.8	930.3
382001468	2x35	24.2	608.9	1,196.8
382001469	2x50	22.8	820.2	1,159.3
382001470	2x70	25.5	1184.4	1,581.3
382001471	2x95	27.9	1644.7	2,087.9
382001472	2x120	30.8	2074.6	2,604.9
382001473	2x150	33.9	2559.8	3,170.2
382001474	2x185	37.0	3203.0	3,901.8
382001475	2x240	41.0	4209.8	5,044.3
382001476	2x300	44.7	5281.5	6,217.7
382001477	2x400	50.0	6753.6	7,888.9
382001478	3x4	13.4	103.8	302.6
382001479	3x6	14.7	155.4	386.5
382001480	3x10	16.7	261.5	546.3
382001481	3x16	19.1	416.1	769.9
382001482	3x25	23.1	658.3	1,159.2
382001483	3x35	25.7	913.3	1,508.1
382001484	3x50	25.9	1230.3	1,642.6
382001485	3x70	30.2	1776.6	2,304.9
382001486	3x95	35.3	2467.0	3,090.7
382001487	3x120	37.0	3112.0	3,791.8
382001488	3x150	40.9	3839.7	4,665.2
382001489	3x185	44.5	4804.5	5,750.7
382001490	3x240	48.9	6314.7	7,434.8
382001491	3x300	53.5	7922.3	9,233.4
382001492	3x400	59.3	10130.4	11,704.2
382001493	3.5x25	23.3	797.0	1,156.7
382001494	3.5x35	25.3	1052.0	1,449.5
382001495	3.5x50	28.3	1449.7	1,915.8
382001496	3.5x70	32.2	2081.0	2,663.0
382001497	3.5x95	36.2	2877.1	3,544.5
382001498	3.5x120	39.9	3704.2	4,467.8
382001499	3.5x150	44.1	4431.9	5,348.9
382001500	3.5x185	50.2	5626.9	6,756.7
382001501	3.5x240	55.0	7352.0	8,683.3
382001502	3.5x300	58.1	9202.2	10,723.8
382001503	3.5x400	65.9	11731.9	13,618.2
382001504	4x4	14.5	138.4	364.8
382001505	4x6	15.9	207.2	468.5
382001506	4x10	18.1	348.7	669.8
382001507	4x16	21.2	554.8	977.2
382001508	4x25	25.3	877.7	1,451.2
382001509	4x35	28.2	1217.7	1,897.9
382001510	4x50	28.0	1640.4	2,112.1
382001511	4x70	32.2	2368.8	2,967.5
382001512	4x95	35.5	3289.3	3,963.2
382001513	4x120	39.0	4149.3	4,916.4
382001514	4x150	43.3	5119.7	6,057.8
382001515	4x185	48.1	6406.0	7,548.8
382001516	4x240	53.7	8419.6	9,785.6
382001517	4x300	59.1	10563.0	12,166.2

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ÖLFLEX® POWER LV 2X LSZH - RI2XHXXUVAR 1BK				
382001444	1x4	7.6	34.6	97.1
382001445	1x6	8.2	51.8	121.4
382001446	1x10	9.1	87.2	167.4
382001447	1x16	10.2	138.7	231.9
382001448	1x25	11.9	219.4	336.9
382001449	1x35	13.1	304.4	436.9
382001450	1x50	14.4	410.1	561.5
382001451	1x70	16.6	592.2	775.1
382001452	1x95	18.5	822.3	1,030.1
382001453	1x120	20.6	1037.3	1,293.0
382001454	1x150	22.5	1279.9	1,573.0
382001455	1x185	24.8	1601.5	1,940.3
382001456	1x240	27.5	2104.9	2,492.4
382001457	1x300	30.6	2640.8	3,110.3
382001458	1x400	33.9	3376.8	3,919.7
382001459	1x500	37.9	4336.3	4,969.5
382001460	1x630	42.3	5608.1	6,380.2
382001461	1x800	47.2	7181.4	8,116.9
382001462	1x1000	52.4	9017.6	10,138.8