

ÖLFLEX® POWER LV 2X FR**DS 382000004**

valid from: 2018-03-31

Application

ÖLFLEX® POWER LV 2X FR 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	PVC - Type ST2 with flame retardant properties as per IS 5831
Outer Sheath	PVC - Type ST2 with flame retardant properties as per IS 5831

Electrical properties

Nominal voltage	1100 V
Test voltage	3 KV for 5 minutes

Mechanical properties

Min. bending radius	fixed installation:	10 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

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DS 382000004

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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 FR - RI2XY2Y21BK				
382000004	2x1.5	11.0	26.6	162.2
382000005	3x1.5	11.5	40.0	183.4
382000006	4x1.5	12.3	53.3	214.1
382000007	5x1.5	13.1	66.6	246.3
382000008	6x1.5	14.0	79.9	248.0
382000009	7x1.5	14.0	93.2	266.4
382000010	8x1.5	15.4	106.6	301.5
382000011	9x1.5	16.4	119.9	331.9
382000012	10x1.5	17.0	133.2	357.5
382000013	11x1.5	17.0	146.5	375.8
382000014	12x1.5	17.5	159.8	400.2
382000015	13x1.5	18.3	173.2	428.1
382000016	14x1.5	18.3	186.5	446.5
382000017	15x1.5	19.1	199.8	474.5
382000018	16x1.5	19.1	213.1	492.8
382000019	17x1.5	20.4	226.4	541.3
382000020	18x1.5	20.4	239.7	559.7
382000021	19x1.5	20.4	253.1	578.0
382000022	20x1.5	21.4	266.4	609.4
382000023	21x1.5	21.4	279.7	627.7
382000024	22x1.5	22.4	293.0	659.0
382000025	23x1.5	22.4	306.3	677.4
382000026	24x1.5	23.4	319.7	708.7
382000027	25x1.5	23.4	333.0	727.1
382000028	26x1.5	23.4	346.3	745.5
382000029	27x1.5	23.9	359.6	770.3
382000030	28x1.5	24.7	372.9	799.0
382000031	29x1.5	24.7	386.3	817.4
382000032	30x1.5	24.7	399.6	835.7
382000033	31x1.5	25.5	412.9	864.5
382000034	32x1.5	25.5	426.2	882.8
382000035	33x1.5	25.5	439.5	901.2
382000036	34x1.5	26.4	452.9	931.2
382000037	35x1.5	26.4	466.2	949.6
382000038	36x1.5	26.4	479.5	967.9
382000039	37x1.5	26.4	492.8	986.3
382000040	38x1.5	27.4	506.1	1,017.6
382000041	39x1.5	27.4	519.5	1,036.0
382000042	40x1.5	27.4	532.8	1,054.4
382000043	41x1.5	28.4	546.1	1,085.7
382000044	42x1.5	28.4	559.4	1,104.0
382000045	43x1.5	28.4	572.7	1,122.4
382000046	44x1.5	29.4	586.1	1,153.7
382000047	45x1.5	29.4	599.4	1,172.1
382000048	46x1.5	29.4	612.7	1,190.4
382000049	47x1.5	29.4	626.0	1,208.8
382000050	48x1.5	30.3	639.3	1,262.4
382000051	49x1.5	30.3	652.6	1,280.8
382000052	50x1.5	30.3	666.0	1,299.2
382000053	51x1.5	30.3	679.3	1,317.5
382000054	52x1.5	31.1	692.6	1,347.0
382000055	53x1.5	31.1	705.9	1,365.4
382000056	54x1.5	31.1	719.2	1,383.8
382000057	55x1.5	31.1	732.6	1,402.1
382000058	56x1.5	31.1	745.9	1,420.5
382000059	57x1.5	31.1	759.2	1,438.8
382000060	58x1.5	31.1	772.5	1,457.2
382000061	59x1.5	31.1	785.8	1,475.6
382000062	60x1.5	31.1	799.2	1,493.9
382000063	61x1.5	32.8	812.5	1,535.9
382000064	2x2.5	11.8	43.5	196.8
382000065	3x2.5	12.4	65.2	228.2
382000066	4x2.5	13.2	87.0	266.9
382000067	5x2.5	14.2	108.7	313.9
382000068	6x2.5	15.2	130.5	318.3
382000069	7x2.5	15.2	152.2	345.9
382000070	8x2.5	16.8	174.0	392.8
382000071	9x2.5	17.9	195.7	433.7
382000072	10x2.5	18.6	217.5	469.7
382000073	11x2.5	18.6	239.2	497.4
382000074	12x2.5	19.2	261.0	532.3
382000075	13x2.5	20.4	282.7	588.9
382000076	14x2.5	20.4	304.5	616.5
382000077	15x2.5	21.4	326.2	657.2

Article number	Number of cores and mm ² per conductor	Nominal outer diameter (mm)	Copper weight (kg/km) Approx.	Weight (kg/km) Approx.
382000078	16x2.5	21.4	348.0	684.8
382000079	17x2.5	22.4	369.7	725.4
382000080	18x2.5	22.4	391.5	753.1
382000081	19x2.5	22.4	413.2	780.8
382000082	20x2.5	23.5	435.0	822.7
382000083	21x2.5	23.5	456.7	850.4
382000084	22x2.5	24.7	478.5	893.6
382000085	23x2.5	24.7	500.2	921.3
382000086	24x2.5	25.8	522.0	963.2
382000087	25x2.5	25.8	543.7	990.9
382000088	26x2.5	25.8	565.5	1,018.5
382000089	27x2.5	26.3	587.2	1,052.7
382000090	28x2.5	27.2	609.0	1,092.0
382000091	29x2.5	27.2	630.7	1,119.7
382000092	30x2.5	27.2	652.5	1,147.3
382000093	31x2.5	28.2	674.2	1,188.0
382000094	32x2.5	28.2	696.0	1,215.6
382000095	33x2.5	28.2	717.7	1,243.3
382000096	34x2.5	29.2	739.5	1,283.9
382000097	35x2.5	29.2	761.2	1,311.6
382000098	36x2.5	29.2	783.0	1,339.3
382000099	37x2.5	29.2	804.7	1,367.0
382000100	38x2.5	30.7	826.5	1,438.0
382000101	39x2.5	30.7	848.2	1,465.7
382000102	40x2.5	30.7	870.0	1,493.4
382000103	41x2.5	31.9	891.7	1,537.8
382000104	42x2.5	31.9	913.5	1,565.4
382000105	43x2.5	31.9	935.2	1,593.1
382000106	44x2.5	33.0	957.0	1,636.1
382000107	45x2.5	33.0	978.7	1,663.7
382000108	46x2.5	33.0	1000.5	1,691.4
382000109	47x2.5	33.0	1022.2	1,719.1
382000110	48x2.5	33.5	1044.0	1,753.7
382000111	49x2.5	33.5	1065.7	1,781.4
382000112	50x2.5	33.5	1087.5	1,809.1
382000113	51x2.5	33.5	1109.2	1,836.7
382000114	52x2.5	34.4	1131.0	1,876.9
382000115	53x2.5	34.4	1152.7	1,904.6
382000116	54x2.5	34.4	1174.5	1,932.3
382000117	55x2.5	34.4	1196.2	1,959.9
382000118	56x2.5	34.4	1218.0	1,987.6
382000119	57x2.5	34.4	1239.7	2,015.3
382000120	58x2.5	34.4	1261.5	2,042.9
382000121	59x2.5	34.4	1283.2	2,070.6
382000122	60x2.5	34.4	1305.0	2,098.3
382000123	61x2.5	36.4	1326.7	2,153.8
382000124	2x4	12.8	69.2	245.8
382000144	2x6	14.0	103.6	309.6
382000145	2x10	15.8	174.3	427.9
382000146	2x16	18.0	277.4	594.2
382000147	2x25	21.8	438.8	893.8
382000148	2x35	24.2	608.9	1,152.9
382000149	2x50	22.8	820.2	1,136.4
382000150	2x70	25.5	1184.4	1,555.4
382000151	2x95	27.9	1644.7	2,059.2
382000152	2x120	30.8	2074.6	2,570.7
382000153	2x150	33.9	2559.8	3,132.3
382000154	2x185	37.0	3203.0	3,860.1
382000155	2x240	41.0	4209.8	4,994.6
382000156	2x300	44.7	5281.5	6,163.3
382000157	2x400	50.0	6753.6	7,823.8
382000158	3x4	13.4	103.8	288.2
382000159	3x6	14.7	155.4	369.8
382000160	3x10	16.7	261.5	525.8
382000161	3x16	19.1	416.1	744.4
382000162	3x25	23.1	658.3	1,123.6
382000163	3x35	25.7	913.3	1,465.8
382000164	3x50	25.9	1230.3	1,616.2
382000165	3x70	30.2	1776.6	2,271.5
382000166	3x95	35.3	2467.0	3,051.0
382000167	3x120	37.0	3112.0	3,750.1
382000168	3x150	40.9	3839.7	4,615.7
382000169	3x185	44.5	4804.5	5,696.5
382000170	3x240	48.9	6314.7	7,371.1
382000171	3x300	53.5	7922.3	9,159.4

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ÖLFLEX® POWER LV 2X FR - R12XY2Y21BK				
382000172	3x400	59.3	10130.4	11,617.1
382000173	3.5x25	23.3	797.0	1,133.2
382000174	3.5x35	25.3	1052.0	1,423.7
382000175	3.5x50	28.3	1449.7	1,886.6
382000176	3.5x70	32.2	2081.0	2,627.1
382000177	3.5x95	36.2	2877.1	3,503.8
382000178	3.5x120	39.9	3704.2	4,422.5
382000179	3.5x150	44.1	4431.9	5,295.2
382000180	3.5x185	50.2	5626.9	6,691.2
382000181	3.5x240	55.0	7352.0	8,607.0
382000182	3.5x300	58.1	9202.2	10,638.6
382000183	3.5x400	65.9	11731.9	13,513.3
382000184	4x4	14.5	138.4	348.8
382000185	4x6	15.9	207.2	450.1
382000186	4x10	18.1	348.7	647.2
382000187	4x16	21.2	554.8	947.1
382000188	4x25	25.3	877.7	1,411.4
382000189	4x35	28.2	1217.7	1,850.6
382000190	4x50	28.0	1640.4	2,083.3
382000191	4x70	32.2	2368.8	2,931.6
382000192	4x95	35.5	3289.3	3,923.3
382000193	4x120	39.0	4149.3	4,872.2
382000194	4x150	43.3	5119.7	6,005.2
382000195	4x185	48.1	6406.0	7,486.3
382000196	4x240	53.7	8419.6	9,711.2
382000197	4x300	59.1	10563.0	12,079.4
ÖLFLEX® POWER LV 2X FR - R12XY21BK				
382000124	1x4	7.6	34.6	92.5
382000125	1x6	8.2	51.8	116.3
382000126	1x10	9.1	87.2	161.6
382000127	1x16	10.2	138.7	225.3
382000128	1x25	11.9	219.4	328.9
382000129	1x35	13.1	304.4	427.9
382000130	1x50	14.4	410.1	551.6
382000131	1x70	16.6	592.2	763.4
382000132	1x95	18.5	822.3	1,016.9
382000133	1x120	20.6	1037.3	1,276.7
382000134	1x150	22.5	1279.9	1,555.0
382000135	1x185	24.8	1601.5	1,920.3
382000136	1x240	27.5	2104.9	2,470.1
382000137	1x300	30.6	2640.8	3,082.9
382000138	1x400	33.9	3376.8	3,889.1
382000139	1x500	37.9	4336.3	4,935.1
382000140	1x630	42.3	5608.1	6,338.3
382000141	1x800	47.2	7181.4	8,066.3
382000142	1x1000	52.4	9017.6	10,078.2
ÖLFLEX® POWER LV 2X FR - R12XY2Y2UVAR1BK				
382000198	2x1.5	11.0	26.6	162.2
382000199	3x1.5	11.5	40.0	183.4
382000200	4x1.5	12.3	53.3	214.1
382000201	5x1.5	13.1	66.6	246.3
382000202	6x1.5	14.0	79.9	248.0
382000203	7x1.5	14.0	93.2	266.4
382000204	8x1.5	15.4	106.6	301.5
382000205	9x1.5	16.4	119.9	331.9
382000206	10x1.5	17.0	133.2	357.5
382000207	11x1.5	17.0	146.5	375.8
382000208	12x1.5	17.5	159.8	400.2
382000209	13x1.5	18.3	173.2	428.1
382000210	14x1.5	18.3	186.5	446.5
382000211	15x1.5	19.1	199.8	474.5
382000212	16x1.5	19.1	213.1	492.8
382000213	17x1.5	20.4	226.4	541.3
382000214	18x1.5	20.4	239.7	559.7
382000215	19x1.5	20.4	253.1	578.0
382000216	20x1.5	21.4	266.4	609.4
382000217	21x1.5	21.4	279.7	627.7
382000218	22x1.5	22.4	293.0	659.0
382000219	23x1.5	22.4	306.3	677.4
382000220	24x1.5	23.4	319.7	708.7
382000221	25x1.5	23.4	333.0	727.1
382000222	26x1.5	23.4	346.3	745.5
382000223	27x1.5	23.9	359.6	770.3
382000224	28x1.5	24.7	372.9	799.0

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382000225	29x1.5	24.7	386.3	817.4
382000226	30x1.5	24.7	399.6	835.7
382000227	31x1.5	25.5	412.9	864.5
382000228	32x1.5	25.5	426.2	882.8
382000229	33x1.5	25.5	439.5	901.2
382000230	34x1.5	26.4	452.9	931.2
382000231	35x1.5	26.4	466.2	949.6
382000232	36x1.5	26.4	479.5	967.9
382000233	37x1.5	26.4	492.8	986.3
382000234	38x1.5	27.4	506.1	1,017.6
382000235	39x1.5	27.4	519.5	1,036.0
382000236	40x1.5	27.4	532.8	1,054.4
382000237	41x1.5	28.4	546.1	1,085.7
382000238	42x1.5	28.4	559.4	1,104.0
382000239	43x1.5	28.4	572.7	1,122.4
382000240	44x1.5	29.4	586.1	1,153.7
382000241	45x1.5	29.4	599.4	1,172.1
382000242	46x1.5	29.4	612.7	1,190.4
382000243	47x1.5	29.4	626.0	1,208.8
382000244	48x1.5	30.3	639.3	1,262.4
382000245	49x1.5	30.3	652.6	1,280.8
382000246	50x1.5	30.3	666.0	1,299.2
382000247	51x1.5	30.3	679.3	1,317.5
382000248	52x1.5	31.1	692.6	1,347.0
382000249	53x1.5	31.1	705.9	1,365.4
382000250	54x1.5	31.1	719.2	1,383.8
382000251	55x1.5	31.1	732.6	1,402.1
382000252	56x1.5	31.1	745.9	1,420.5
382000253	57x1.5	31.1	759.2	1,438.8
382000254	58x1.5	31.1	772.5	1,457.2
382000255	59x1.5	31.1	785.8	1,475.6
382000256	60x1.5	31.1	799.2	1,493.9
382000257	61x1.5	32.8	812.5	1,535.9
382000258	2x2.5	11.8	43.5	196.8
382000259	3x2.5	12.4	65.2	228.2
382000260	4x2.5	13.2	87.0	266.9
382000261	5x2.5	14.2	108.7	313.9
382000262	6x2.5	15.2	130.5	318.3
382000263	7x2.5	15.2	152.2	345.9
382000264	8x2.5	16.8	174.0	392.8
382000265	9x2.5	17.9	195.7	433.7
382000266	10x2.5	18.6	217.5	469.7
382000267	11x2.5	18.6	239.2	497.4
382000268	12x2.5	19.2	261.0	532.3
382000269	13x2.5	20.4	282.7	588.9
382000270	14x2.5	20.4	304.5	616.5
382000271	15x2.5	21.4	326.2	657.2
382000272	16x2.5	21.4	348.0	684.8
382000273	17x2.5	22.4	369.7	725.4
382000274	18x2.5	22.4	391.5	753.1
382000275	19x2.5	22.4	413.2	780.8
382000276	20x2.5	23.5	435.0	822.7
382000277	21x2.5	23.5	456.7	850.4
382000278	22x2.5	24.7	478.5	893.6
382000279	23x2.5	24.7	500.2	921.3
382000280	24x2.5	25.8	522.0	963.2
382000281	25x2.5	25.8	543.7	990.9
382000282	26x2.5	25.8	565.5	1,018.5
382000283	27x2.5	26.3	587.2	1,052.7
382000284	28x2.5	27.2	609.0	1,092.0
382000285	29x2.5	27.2	630.7	1,119.7
382000286	30x2.5	27.2	652.5	1,147.3
382000287	31x2.5	28.2	674.2	1,188.0
382000288	32x2.5	28.2	696.0	1,215.6
382000289	33x2.5	28.2	717.7	1,243.3
382000290	34x2.5	29.2	739.5	1,283.9
382000291	35x2.5	29.2	761.2	1,311.6
382000292	36x2.5	29.2	783.0	1,339.3
382000293	37x2.5	29.2	804.7	1,367.0
382000294	38x2.5	30.7	826.5	1,438.0
382000295	39x2.5	30.7	848.2	1,465.7
382000296	40x2.5	30.7	870.0	1,493.4
382000297	41x2.5	31.9	891.7	1,537.8
382000298	42x2.5	31.9	913.5	1,565.4
382000299	43x2.5	31.9	935.2	1,593.1

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ÖLFLEX® POWER LV 2X FR - R12XY2Y2UVAR1BK				
382000300	44x2.5	33.0	957.0	1,636.1
382000301	45x2.5	33.0	978.7	1,663.7
382000302	46x2.5	33.0	1000.5	1,691.4
382000303	47x2.5	33.0	1022.2	1,719.1
382000304	48x2.5	33.5	1044.0	1,753.7
382000305	49x2.5	33.5	1065.7	1,781.4
382000306	50x2.5	33.5	1087.5	1,809.1
382000307	51x2.5	33.5	1109.2	1,836.7
382000308	52x2.5	34.4	1131.0	1,876.9
382000309	53x2.5	34.4	1152.7	1,904.6
382000310	54x2.5	34.4	1174.5	1,932.3
382000311	55x2.5	34.4	1196.2	1,959.9
382000312	56x2.5	34.4	1218.0	1,987.6
382000313	57x2.5	34.4	1239.7	2,015.3
382000314	58x2.5	34.4	1261.5	2,042.9
382000315	59x2.5	34.4	1283.2	2,070.6
382000316	60x2.5	34.4	1305.0	2,098.3
382000317	61x2.5	36.4	1326.7	2,153.8
382000337	2x4	12.8	69.2	245.8
382000338	2x6	14.0	103.6	309.6
382000339	2x10	15.8	174.3	427.9
382000340	2x16	18.0	277.4	594.2
382000341	2x25	21.8	438.8	893.8
382000342	2x35	24.2	608.9	1,152.9
382000343	2x50	22.8	820.2	1,136.4
382000344	2x70	25.5	1184.4	1,555.4
382000345	2x95	27.9	1644.7	2,059.2
382000346	2x120	30.8	2074.6	2,570.7
382000347	2x150	33.9	2559.8	3,132.3
382000348	2x185	37.0	3203.0	3,860.1
382000349	2x240	41.0	4209.8	4,994.6
382000350	2x300	44.7	5281.5	6,163.3
382000351	2x400	50.0	6753.6	7,823.8
382000352	3x4	13.4	103.8	288.2
382000353	3x6	14.7	155.4	369.8
382000354	3x10	16.7	261.5	525.8
382000355	3x16	19.1	416.1	744.4
382000356	3x25	23.1	658.3	1,123.6
382000357	3x35	25.7	913.3	1,465.8
382000358	3x50	25.9	1230.3	1,616.2
382000359	3x70	30.2	1776.6	2,271.5
382000360	3x95	35.3	2467.0	3,051.0
382000361	3x120	37.0	3112.0	3,750.1
382000362	3x150	40.9	3839.7	4,615.7
382000363	3x185	44.5	4804.5	5,696.5
382000364	3x240	48.9	6314.7	7,371.1
382000365	3x300	53.5	7922.3	9,159.4
382000366	3x400	59.3	10130.4	11,617.1
382000367	3.5x25	23.3	797.0	1,133.2
382000368	3.5x35	25.3	1052.0	1,423.7
382000369	3.5x50	28.3	1449.7	1,886.6
382000370	3.5x70	32.2	2081.0	2,627.1
382000371	3.5x95	36.2	2877.1	3,503.8
382000372	3.5x120	39.9	3704.2	4,422.5
382000373	3.5x150	44.1	4431.9	5,295.2
382000374	3.5x185	50.2	5626.9	6,691.2
382000375	3.5x240	55.0	7352.0	8,607.0
382000376	3.5x300	58.1	9202.2	10,638.6
382000377	3.5x400	65.9	11731.9	13,513.3
382000378	4x4	14.5	138.4	348.8
382000379	4x6	15.9	207.2	450.1
382000380	4x10	18.1	348.7	647.2
382000381	4x16	21.2	554.8	947.1
382000382	4x25	25.3	877.7	1,411.4
382000383	4x35	28.2	1217.7	1,850.6
382000384	4x50	28.0	1640.4	2,083.3
382000385	4x70	32.2	2368.8	2,931.6
382000386	4x95	35.5	3289.3	3,923.3
382000387	4x120	39.0	4149.3	4,872.2
382000388	4x150	43.3	5119.7	6,005.2
382000389	4x185	48.1	6406.0	7,486.3
382000390	4x240	53.7	8419.6	9,711.2
382000391	4x300	59.1	10563.0	12,079.4

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 FR - R12XY2UVAR1BK				
382000318	1x4	7.6	34.6	92.5
382000319	1x6	8.2	51.8	116.3
382000320	1x10	9.1	87.2	161.6
382000321	1x16	10.2	138.7	225.3
382000322	1x25	11.9	219.4	328.9
382000323	1x35	13.1	304.4	427.9
382000324	1x50	14.4	410.1	551.6
382000325	1x70	16.6	592.2	763.4
382000326	1x95	18.5	822.3	1,016.9
382000327	1x120	20.6	1037.3	1,276.7
382000328	1x150	22.5	1279.9	1,555.0
382000329	1x185	24.8	1601.5	1,920.3
382000330	1x240	27.5	2104.9	2,470.1
382000331	1x300	30.6	2640.8	3,082.9
382000332	1x400	33.9	3376.8	3,889.1
382000333	1x500	37.9	4336.3	4,935.1
382000334	1x630	42.3	5608.1	6,338.3
382000335	1x800	47.2	7181.4	8,066.3
382000336	1x1000	52.4	9017.6	10,078.2