



ÖLFLEX® POWER LV HR PVC FR

DS 382005474

valid from: 2018-03-31

Application

ÖLFLEX® POWER LV HR PVC 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 1554 (Part-I)
Insulation	PVC insulation - Type A in accordance to IS 5831
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 +85 °C max. conductor temperature

Flame and other tests

Flammability	in acc. with IS 10810-53 / IEC 60332-1
Test	acc. to IS 10810

ÖLFLEX® POWER LV HR PVC FR

DS 382005474

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 HR PVC FR - RIY3Y2Y21BK				
382005474	2x1.5	11.4	26.6	178.4
382005475	3x1.5	11.9	40.0	202.8
382005476	4x1.5	12.8	53.3	239.9
382005477	5x1.5	13.7	66.6	279.1
382005478	6x1.5	14.6	79.9	280.1
382005479	7x1.5	14.6	93.2	302.6
382005480	8x1.5	16.1	106.6	343.0
382005481	9x1.5	17.2	119.9	378.7
382005482	10x1.5	17.8	133.2	408.4
382005483	11x1.5	17.8	146.5	430.9
382005484	12x1.5	18.3	159.8	459.4
382005485	13x1.5	19.1	173.2	491.5
382005486	14x1.5	19.1	186.5	514.0
382005487	15x1.5	20.5	199.8	568.0
382005488	16x1.5	20.5	213.1	590.5
382005489	17x1.5	21.4	226.4	624.6
382005490	18x1.5	21.4	239.7	647.1
382005491	19x1.5	21.4	253.1	669.6
382005492	20x1.5	22.5	266.4	706.4
382005493	21x1.5	22.5	279.7	728.9
382005494	22x1.5	23.6	293.0	765.6
382005495	23x1.5	23.6	306.3	788.1
382005496	24x1.5	24.6	319.7	823.6
382005497	25x1.5	24.6	333.0	846.1
382005498	26x1.5	24.6	346.3	868.6
382005499	27x1.5	25.1	359.6	897.6
382005500	28x1.5	25.9	372.9	930.4
382005501	29x1.5	25.9	386.3	952.9
382005502	30x1.5	25.9	399.6	975.4
382005503	31x1.5	26.9	412.9	1,010.9
382005504	32x1.5	26.9	426.2	1,033.4
382005505	33x1.5	26.9	439.5	1,055.9
382005506	34x1.5	27.8	452.9	1,090.0
382005507	35x1.5	27.8	466.2	1,112.5
382005508	36x1.5	27.8	479.5	1,135.1
382005509	37x1.5	27.8	492.8	1,157.6
382005510	38x1.5	28.9	506.1	1,194.3
382005511	39x1.5	28.9	519.5	1,216.8
382005512	40x1.5	28.9	532.8	1,239.3
382005513	41x1.5	30.4	546.1	1,304.9
382005514	42x1.5	30.4	559.4	1,327.4
382005515	43x1.5	30.4	572.7	1,350.0
382005516	44x1.5	31.4	586.1	1,386.4
382005517	45x1.5	31.4	599.4	1,408.9
382005518	46x1.5	31.4	612.7	1,431.4
382005519	47x1.5	31.4	626.0	1,453.9
382005520	48x1.5	31.9	639.3	1,483.3
382005521	49x1.5	31.9	652.6	1,505.8
382005522	50x1.5	31.9	666.0	1,528.3
382005523	51x1.5	31.9	679.3	1,550.8
382005524	52x1.5	32.7	692.6	1,584.5
382005525	53x1.5	32.7	705.9	1,607.0
382005526	54x1.5	32.7	719.2	1,629.5
382005527	55x1.5	32.7	732.6	1,652.0
382005528	56x1.5	32.7	745.9	1,674.5
382005529	57x1.5	32.7	759.2	1,697.0
382005530	58x1.5	32.7	772.5	1,719.5
382005531	59x1.5	32.7	785.8	1,742.0
382005532	60x1.5	32.7	799.2	1,764.5
382005533	61x1.5	34.6	812.5	1,813.4
382005534	2x2.5	12.6	43.5	226.7
382005535	3x2.5	13.2	65.2	262.4
382005536	4x2.5	14.2	87.0	312.5
382005537	5x2.5	15.3	108.7	368.7
382005538	6x2.5	16.4	130.5	372.0
382005539	7x2.5	16.4	152.2	406.3
382005540	8x2.5	18.1	174.0	460.9
382005541	9x2.5	19.9	195.7	530.7
382005542	10x2.5	20.6	217.5	574.0
382005543	11x2.5	20.6	239.2	608.3
382005544	12x2.5	21.2	261.0	650.3
382005545	13x2.5	22.2	282.7	697.5
382005546	14x2.5	22.2	304.5	731.7
382005547	15x2.5	23.3	326.2	780.2

Article number	Number of cores and mm ² per conductor	Nominal outer diameter (mm)	Copper weight (kg/km) Approx.	Weight (kg/km) Approx.
382005548	16x2.5	23.3	348.0	814.4
382005549	17x2.5	24.4	369.7	862.9
382005550	18x2.5	24.4	391.5	897.1
382005551	19x2.5	24.4	413.2	931.4
382005552	20x2.5	25.7	435.0	982.4
382005553	21x2.5	25.7	456.7	1,016.7
382005554	22x2.5	27.0	478.5	1,067.7
382005555	23x2.5	27.0	500.2	1,102.0
382005556	24x2.5	28.2	522.0	1,151.7
382005557	25x2.5	28.2	543.7	1,186.0
382005558	26x2.5	28.2	565.5	1,220.2
382005559	27x2.5	28.8	587.2	1,262.2
382005560	28x2.5	29.8	609.0	1,309.4
382005561	29x2.5	29.8	630.7	1,343.6
382005562	30x2.5	29.8	652.5	1,377.9
382005563	31x2.5	31.3	674.2	1,456.1
382005564	32x2.5	31.3	696.0	1,490.3
382005565	33x2.5	31.3	717.7	1,524.5
382005566	34x2.5	32.4	739.5	1,574.1
382005567	35x2.5	32.4	761.2	1,608.3
382005568	36x2.5	32.4	783.0	1,642.5
382005569	37x2.5	32.4	804.7	1,676.8
382005570	38x2.5	33.7	826.5	1,729.1
382005571	39x2.5	33.7	848.2	1,763.3
382005572	40x2.5	33.7	870.0	1,797.6
382005573	41x2.5	35.0	891.7	1,849.9
382005574	42x2.5	35.0	913.5	1,884.1
382005575	43x2.5	35.0	935.2	1,918.3
382005576	44x2.5	36.2	957.0	1,969.3
382005577	45x2.5	36.2	978.7	2,003.5
382005578	46x2.5	36.2	1000.5	2,037.7
382005579	47x2.5	36.2	1022.2	2,072.0
382005580	48x2.5	36.8	1044.0	2,114.5
382005581	49x2.5	36.8	1065.7	2,148.8
382005582	50x2.5	36.8	1087.5	2,183.0
382005583	51x2.5	36.8	1109.2	2,217.2
382005584	52x2.5	37.8	1131.0	2,265.4
382005585	53x2.5	37.8	1152.7	2,299.6
382005586	54x2.5	37.8	1174.5	2,333.8
382005587	55x2.5	37.8	1196.2	2,368.1
382005588	56x2.5	37.8	1218.0	2,402.3
382005589	57x2.5	37.8	1239.7	2,436.5
382005590	58x2.5	37.8	1261.5	2,470.8
382005591	59x2.5	37.8	1283.2	2,505.0
382005592	60x2.5	37.8	1305.0	2,539.2
382005593	61x2.5	40.0	1326.7	2,604.1
ÖLFLEX® POWER LV HR PVC FR - RIY3Y21BK				
382005594	1x4	8.2	34.6	107.5
382005595	1x6	8.8	51.8	132.9
382005596	1x10	9.7	87.2	180.5
382005597	1x16	10.8	138.7	247.1
382005598	1x25	12.5	219.4	357.3
382005599	1x35	13.7	304.4	459.8
382005600	1x50	15.2	410.1	595.9
382005601	1x70	17.2	592.2	809.1
382005602	1x95	19.9	822.3	1,106.0
382005603	1x120	21.4	1037.3	1,347.2
382005604	1x150	23.3	1279.9	1,638.1
382005605	1x185	25.6	1601.5	2,019.0
382005606	1x240	28.5	2104.9	2,597.9
382005607	1x300	31.8	2640.8	3,244.6
382005608	1x400	35.1	3376.8	4,078.5
382005609	1x500	39.5	4336.3	5,196.4
382005610	1x630	44.3	5608.1	6,684.0
382005611	1x800	48.8	7181.4	8,418.5
382005612	1x1000	53.6	9017.6	10,433.1
ÖLFLEX® POWER LV PVC FR - RIY3Y2Y21BK				
382005613	2x4	14.0	69.2	292.1
382005614	2x6	15.2	103.6	360.8
382005615	2x10	17.0	174.3	486.2
382005616	2x16	19.2	277.4	661.5
382005617	2x25	23.0	438.8	980.2
382005618	2x35	25.4	608.9	1,249.8
382005619	2x50	25.3	820.2	1,242.6
382005620	2x70	27.0	1184.4	1,655.1

ÖLFLEX® POWER LV HR PVC FR

DS 382005474

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 HR PVC FR - RIY3Y2Y21BK				
382005621	2x95	31.2	1644.7	2,248.5
382005622	2x120	33.2	2074.6	2,728.7
382005623	2x150	34.9	2559.8	3,296.3
382005624	2x185	38.4	3203.0	4,060.7
382005625	2x240	43.4	4209.8	5,265.7
382005626	2x300	47.3	5281.5	6,537.9
382005627	2x400	52.2	6753.6	8,254.5
382005628	3x4	14.7	103.8	343.5
382005629	3x6	16.0	155.4	431.2
382005630	3x10	18.0	261.5	596.5
382005631	3x16	20.8	416.1	846.0
382005632	3x25	24.4	658.3	1,230.5
382005633	3x35	27.0	913.3	1,586.0
382005634	3x50	28.0	1230.3	1,754.5
382005635	3x70	31.2	1776.6	2,406.1
382005636	3x95	35.2	2467.0	3,234.0
382005637	3x120	37.9	3112.0	3,950.2
382005638	3x150	41.8	3839.7	4,854.5
382005639	3x185	44.8	4804.5	5,973.2
382005640	3x240	51.7	6314.7	7,811.7
382005641	3x300	57.8	7922.3	9,725.1
382005642	3x400	63.9	10130.4	12,307.7
382005643	3.5x25	25.3	797.0	1,244.1
382005644	3.5x35	27.3	1052.0	1,545.1
382005645	3.5x50	30.4	1449.7	2,071.8
382005646	3.5x70	33.2	2081.0	2,788.3
382005647	3.5x95	38.2	2877.1	3,752.6
382005648	3.5x120	41.1	3704.2	4,700.7
382005649	3.5x150	44.8	4431.9	5,571.5
382005650	3.5x185	49.8	5626.9	7,018.8
382005651	3.5x240	57.1	7352.0	9,106.1
382005652	3.5x300	62.2	9202.2	11,284.0
382005653	3.5x400	70.0	11731.9	14,270.2
382005654	4x4	15.9	138.4	415.0
382005655	4x6	17.4	207.2	528.0
382005656	4x10	19.9	348.7	751.2
382005657	4x16	22.6	554.8	1,047.8
382005658	4x25	26.7	877.7	1,542.3
382005659	4x35	29.6	1217.7	1,998.3
382005660	4x50	32.2	1640.4	2,311.0
382005661	4x70	36.2	2368.8	3,147.5
382005662	4x95	39.9	3289.3	4,229.1
382005663	4x120	43.8	4149.3	5,224.4
382005664	4x150	48.2	5119.7	6,417.6
382005665	4x185	54.0	6406.0	7,986.4
382005666	4x240	60.8	8419.6	10,351.8
382005667	4x300	67.3	10563.0	12,959.9
ÖLFLEX® POWER LV HR PVC FR - RIY3Y2Y2UVAR1BK				
382005668	2x1.5	11.4	26.6	178.4
382005669	3x1.5	11.9	40.0	202.8
382005670	4x1.5	12.8	53.3	239.9
382005671	5x1.5	13.7	66.6	279.1
382005672	6x1.5	14.6	79.9	280.1
382005673	7x1.5	14.6	93.2	302.6
382005674	8x1.5	16.1	106.6	343.0
382005675	9x1.5	17.2	119.9	378.7
382005676	10x1.5	17.8	133.2	408.4
382005677	11x1.5	17.8	146.5	430.9
382005678	12x1.5	18.3	159.8	459.4
382005679	13x1.5	19.1	173.2	491.5
382005680	14x1.5	19.1	186.5	514.0
382005681	15x1.5	20.5	199.8	568.0
382005682	16x1.5	20.5	213.1	590.5
382005683	17x1.5	21.4	226.4	624.6
382005684	18x1.5	21.4	239.7	647.1
382005685	19x1.5	21.4	253.1	669.6
382005686	20x1.5	22.5	266.4	706.4
382005687	21x1.5	22.5	279.7	728.9
382005688	22x1.5	23.6	293.0	765.6
382005689	23x1.5	23.6	306.3	788.1
382005690	24x1.5	24.6	319.7	823.6
382005691	25x1.5	24.6	333.0	846.1
382005692	26x1.5	24.6	346.3	868.6
382005693	27x1.5	25.1	359.6	897.6

Article number	Number of cores and mm ² per conductor	Nominal outer diameter (mm)	Copper weight (kg/km) Approx.	Weight (kg/km) Approx.
382005694	28x1.5	25.9	372.9	930.4
382005695	29x1.5	25.9	386.3	952.9
382005696	30x1.5	25.9	399.6	975.4
382005697	31x1.5	26.9	412.9	1,010.9
382005698	32x1.5	26.9	426.2	1,033.4
382005699	33x1.5	26.9	439.5	1,055.9
382005700	34x1.5	27.8	452.9	1,090.0
382005701	35x1.5	27.8	466.2	1,112.5
382005702	36x1.5	27.8	479.5	1,135.1
382005703	37x1.5	27.8	492.8	1,157.6
382005704	38x1.5	28.9	506.1	1,194.3
382005705	39x1.5	28.9	519.5	1,216.8
382005706	40x1.5	28.9	532.8	1,239.3
382005707	41x1.5	30.4	546.1	1,304.9
382005708	42x1.5	30.4	559.4	1,327.4
382005709	43x1.5	30.4	572.7	1,350.0
382005710	44x1.5	31.4	586.1	1,386.4
382005711	45x1.5	31.4	599.4	1,408.9
382005712	46x1.5	31.4	612.7	1,431.4
382005713	47x1.5	31.4	626.0	1,453.9
382005714	48x1.5	31.9	639.3	1,483.3
382005715	49x1.5	31.9	652.6	1,505.8
382005716	50x1.5	31.9	666.0	1,528.3
382005717	51x1.5	31.9	679.3	1,550.8
382005718	52x1.5	32.7	692.6	1,584.5
382005719	53x1.5	32.7	705.9	1,607.0
382005720	54x1.5	32.7	719.2	1,629.5
382005721	55x1.5	32.7	732.6	1,652.0
382005722	56x1.5	32.7	745.9	1,674.5
382005723	57x1.5	32.7	759.2	1,697.0
382005724	58x1.5	32.7	772.5	1,719.5
382005725	59x1.5	32.7	785.8	1,742.0
382005726	60x1.5	32.7	799.2	1,764.5
382005727	61x1.5	34.6	812.5	1,813.4
382005728	2x2.5	12.6	43.5	226.7
382005729	3x2.5	13.2	65.2	262.4
382005730	4x2.5	14.2	87.0	312.5
382005731	5x2.5	15.3	108.7	368.7
382005732	6x2.5	16.4	130.5	372.0
382005733	7x2.5	16.4	152.2	406.3
382005734	8x2.5	18.1	174.0	460.9
382005735	9x2.5	19.9	195.7	530.7
382005736	10x2.5	20.6	217.5	574.0
382005737	11x2.5	20.6	239.2	608.3
382005738	12x2.5	21.2	261.0	650.3
382005739	13x2.5	22.2	282.7	697.5
382005740	14x2.5	22.2	304.5	731.7
382005741	15x2.5	23.3	326.2	780.2
382005742	16x2.5	23.3	348.0	814.4
382005743	17x2.5	24.4	369.7	862.9
382005744	18x2.5	24.4	391.5	897.1
382005745	19x2.5	24.4	413.2	931.4
382005746	20x2.5	25.7	435.0	982.4
382005747	21x2.5	25.7	456.7	1,016.7
382005748	22x2.5	27.0	478.5	1,067.7
382005749	23x2.5	27.0	500.2	1,102.0
382005750	24x2.5	28.2	522.0	1,151.7
382005751	25x2.5	28.2	543.7	1,186.0
382005752	26x2.5	28.2	565.5	1,220.2
382005753	27x2.5	28.8	587.2	1,262.2
382005754	28x2.5	29.8	609.0	1,309.4
382005755	29x2.5	29.8	630.7	1,343.6
382005756	30x2.5	29.8	652.5	1,377.9
382005757	31x2.5	31.3	674.2	1,456.1
382005758	32x2.5	31.3	696.0	1,490.3
382005759	33x2.5	31.3	717.7	1,524.5
382005760	34x2.5	32.4	739.5	1,574.1
382005761	35x2.5	32.4	761.2	1,608.3
382005762	36x2.5	32.4	783.0	1,642.5
382005763	37x2.5	32.4	804.7	1,676.8
382005764	38x2.5	33.7	826.5	1,729.1
382005765	39x2.5	33.7	848.2	1,763.3
382005766	40x2.5	33.7	870.0	1,797.6
382005767	41x2.5	35.0	891.7	1,849.9
382005768	42x2.5	35.0	913.5	1,884.1

ÖLFLEX® POWER LV HR PVC FR

DS 382005474

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 HR PVC FR - RIY3Y2Y2UVAR1BK				
382005769	43x2.5	35.0	935.2	1,918.3
382005770	44x2.5	36.2	957.0	1,969.3
382005771	45x2.5	36.2	978.7	2,003.5
382005772	46x2.5	36.2	1000.5	2,037.7
382005773	47x2.5	36.2	1022.2	2,072.0
382005774	48x2.5	36.8	1044.0	2,114.5
382005775	49x2.5	36.8	1065.7	2,148.8
382005776	50x2.5	36.8	1087.5	2,183.0
382005777	51x2.5	36.8	1109.2	2,217.2
382005778	52x2.5	37.8	1131.0	2,265.4
382005779	53x2.5	37.8	1152.7	2,299.6
382005780	54x2.5	37.8	1174.5	2,333.8
382005781	55x2.5	37.8	1196.2	2,368.1
382005782	56x2.5	37.8	1218.0	2,402.3
382005783	57x2.5	37.8	1239.7	2,436.5
382005784	58x2.5	37.8	1261.5	2,470.8
382005785	59x2.5	37.8	1283.2	2,505.0
382005786	60x2.5	37.8	1305.0	2,539.2
382005787	61x2.5	40.0	1326.7	2,604.1
ÖLFLEX® POWER LV HR PVC FR - RIY3Y2UVAR1BK				
382005788	1x4	8.2	34.6	107.5
382005789	1x6	8.8	51.8	132.9
382005790	1x10	9.7	87.2	180.5
382005791	1x16	10.8	138.7	247.1
382005792	1x25	12.5	219.4	357.3
382005793	1x35	13.7	304.4	459.8
382005794	1x50	15.2	410.1	595.9
382005795	1x70	17.2	592.2	809.1
382005796	1x95	19.9	822.3	1,106.0
382005797	1x120	21.4	1037.3	1,347.2
382005798	1x150	23.3	1279.9	1,638.1
382005799	1x185	25.6	1601.5	2,019.0
382005800	1x240	28.5	2104.9	2,597.9
382005801	1x300	31.8	2640.8	3,244.6
382005802	1x400	35.1	3376.8	4,078.5
382005803	1x500	39.5	4336.3	5,196.4
382005804	1x630	44.3	5608.1	6,684.0
382005805	1x800	48.8	7181.4	8,418.5
382005806	1x1000	53.6	9017.6	10,433.1
ÖLFLEX® POWER LV HR PVC FR - RIY3Y2Y2UVAR1BK				
382005807	2x4	14.0	69.2	292.1
382005808	2x6	15.2	103.6	360.8
382005809	2x10	17.0	174.3	486.2
382005810	2x16	19.2	277.4	661.5
382005811	2x25	23.0	438.8	980.2
382005812	2x35	25.4	608.9	1,249.8
382005813	2x50	25.3	820.2	1,242.6
382005814	2x70	27.0	1184.4	1,655.1
382005815	2x95	31.2	1644.7	2,248.5
382005816	2x120	33.2	2074.6	2,728.7
382005817	2x150	34.9	2559.8	3,296.3
382005818	2x185	38.4	3203.0	4,060.7
382005819	2x240	43.4	4209.8	5,265.7
382005820	2x300	47.3	5281.5	6,537.9
382005821	2x400	52.2	6753.6	8,254.5
382005822	3x4	14.7	103.8	343.5
382005823	3x6	16.0	155.4	431.2
382005824	3x10	18.0	261.5	596.5
382005825	3x16	20.8	416.1	846.0
382005826	3x25	24.4	658.3	1,230.5
382005827	3x35	27.0	913.3	1,586.0
382005828	3x50	28.0	1230.3	1,754.5
382005829	3x70	31.2	1776.6	2,406.1
382005830	3x95	35.2	2467.0	3,234.0
382005831	3x120	37.9	3112.0	3,950.2
382005832	3x150	41.8	3839.7	4,854.5
382005833	3x185	44.8	4804.5	5,973.2
382005834	3x240	51.7	6314.7	7,811.7
382005835	3x300	57.8	7922.3	9,725.1
382005836	3x400	63.9	10130.4	12,307.7
382005837	3.5x25	25.3	797.0	1,244.1
382005838	3.5x35	27.3	1052.0	1,545.1
382005839	3.5x50	30.4	1449.7	2,071.8
382005840	3.5x70	33.2	2081.0	2,788.3

Article number	Number of cores and mm ² per conductor	Nominal outer diameter (mm)	Copper weight (kg/km) Approx.	Weight (kg/km) Approx.
382005841	3.5x95	38.2	2877.1	3,752.6
382005842	3.5x120	41.1	3704.2	4,700.7
382005843	3.5x150	44.8	4431.9	5,571.5
382005844	3.5x185	49.8	5626.9	7,018.8
382005845	3.5x240	57.1	7352.0	9,106.1
382005846	3.5x300	62.2	9202.2	11,284.0
382005847	3.5x400	70.0	11731.9	14,270.2
382005848	4x4	15.9	138.4	415.0
382005849	4x6	17.4	207.2	528.0
382005850	4x10	19.9	348.7	751.2
382005851	4x16	22.6	554.8	1,047.8
382005852	4x25	26.7	877.7	1,542.3
382005853	4x35	29.6	1217.7	1,998.3
382005854	4x50	32.2	1640.4	2,311.0
382005855	4x70	36.2	2368.8	3,147.5
382005856	4x95	39.9	3289.3	4,229.1
382005857	4x120	43.8	4149.3	5,224.4
382005858	4x150	48.2	5119.7	6,417.6
382005859	4x185	54.0	6406.0	7,986.4
382005860	4x240	60.8	8419.6	10,351.8
382005861	4x300	67.3	10563.0	12,959.9