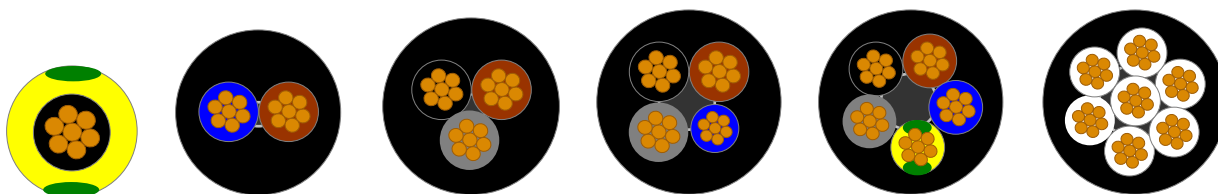


3800100	DATA SHEET	
Valid from: 28.07.2023	ÖLFLEX® POWER LV (N)YY	

<https://lappapac.lappgroup.com>



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

1. Application

ÖLFLEX® POWER LV (N)YY cables are used for fixed installations where there is a low risk of mechanical damage. These are general purpose wires for power and lighting in residential, commercial and industrial areas. These cables are not suitable for direct burial.

2. Reference Standard(s)

Based on IEC 60502-1

3. Cable Construction

- 3.1. Conductor : Stranded plain annealed copper wire acc. to IEC 60228, Class 1, 2
- 3.2. Conductor Shape : Circular shape for $\leq 25 \text{ mm}^2$, and Sectorial (S) shape for $\geq 35 \text{ mm}^2$
- 3.3. Core Insulation : Extruded PVC compound
- 3.4. Core Colours :
 - Single-core – Black
 - 2 core – Blue, Brown
 - 3 core – Brown, Black, Grey
 - 4 core – Blue, Brown, Black, Grey
 - 5 core – Green-Yellow, Blue, Brown, Black, Grey
 - 6 core and above – White with black number marking
- 3.5. Outer Sheath : Extruded PVC compound
- 3.6. Sheath Colour :
 - For Single-core – Green-Yellow or Black
 - For Multicore – Black

4. Technical Data

- 4.1. Rated Voltage : 0.6/1 kV
- 4.2. Test Voltage : 3.5 kV
- 4.3. Conductor Resistance : In acc. to IEC 60228
- 4.4. Min. Bending Radius : 8 x cable diameter
- 4.5. Temperature Range : -20°C up to +70°C
- 4.6. Flame Retardant : In acc. to IEC 60332-1-2
- 4.7. EU Directive : 2014/35/EU (Low Voltage Directive), 2011/65/EU (RoHS)
- 4.8. CE Mark : Yes

Elaborated by: BEKO / PM Approved by: BEKR / PM	Document: SDB3800100EN Version: 07	Page 1 of 5
--	---------------------------------------	-------------

This data sheet and its contents belong to LAPP Asia Pacific Pte Ltd. Neither the whole nor any part of the information contained in this data sheet may be adapted or reproduced without prior written consent. Although LAPP Asia Pacific Pte Ltd makes every effort to ensure accuracy at time of publication, information and specifications contained herein are subject to error or omission, and to changes without notice. Users of this data sheet shall check for themselves the information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted.

ref.:

3800100	DATA SHEET	
Valid from: 28.07.2023	ÖLFLEX® POWER LV (N)YY	

<https://lappapac.lappgroup.com>

5. Dimensional Data

Part No.	No. of core and conductor cross- section mm ²	Approx. Cable OD mm	Approx. Cable Wt. kg/km
Solid Conductor (Class 1)			
3800100	1x1.5	6.0	52.0
3800108	1x2.5	6.4	65.0
3800116	1x4	7.3	95.0
3800102	2x1.5	10.0	135.0
3800110	2x2.5	10.8	170.0
3800118	2x4	12.5	240.0
3800104	3x1.5	10.5	160.0
3800112	3x2.5	11.4	200.0
3800120	3x4	13.2	290.0
3800106	4x1.5	11.3	185.0
3800114	4x2.5	12.3	240.0
3800122	4x4	14.4	350.0
3804001	5G1.5	12.2	203.0
3804003	5G2.5	13.4	275.0
3804004	5G4	16.0	408.0

Elaborated by: BEKO / PM Approved by: BEKR / PM	Document: SDB3800100EN Version: 07	Page 2 of 5
--	---------------------------------------	-------------

This data sheet and its contents belong to LAPP Asia Pacific Pte Ltd. Neither the whole nor any part of the information contained in this data sheet may be adapted or reproduced without prior written consent. Although LAPP Asia Pacific Pte Ltd makes every effort to ensure accuracy at time of publication, information and specifications contained herein are subject to error or omission, and to changes without notice. Users of this data sheet shall check for themselves the information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted.

ref.:

3800100	DATA SHEET	
Valid from: 28.07.2023	ÖLFLEX® POWER LV (N)YY	

<https://lappapac.lappgroup.com>

Part No.	No. of core and conductor cross- section mm ²	Approx. Cable OD mm	Outer Sheath Colour	Approx. Cable Wt. kg/km
Stranded Conductor (Class 2)				
3800101	1x1.5	6.2	GnYe	55.0
3800109	1x2.5	6.7	GnYe	70.0
3800117	1x4	7.6	GnYe	100.0
3800124	1x6	8.2	GnYe	125.0
3800128	1x10	9.2	GnYe	175.0
3800133	1x16	10.2	GnYe	240.0
3800138	1x25	11.9	GnYe	350.0
3800146	1x35	13.1	GnYe	460.0
3800154	1x50	14.8	GnYe	595.0
3800159	1x70	16.6	GnYe	810.0
3800164	1x95	19.2	GnYe	1110.0
3800101B	1 x 1.5	6.2	Black	55.0
3800109B	1 x 2.5	6.7	Black	70.0
3800117B	1 x 4	7.6	Black	100.0
3800124B	1 x 6	8.2	Black	125.0
3800128B	1 x 10	9.2	Black	175.0
3800133B	1 x 16	10.2	Black	240.0
3800138B	1 x 25	11.9	Black	350.0
3800146B	1 x 35	13.1	Black	460.0
3800154B	1 x 50	14.8	Black	595.0
3800159B	1 x 70	16.6	Black	810.0
3800164B	1 x 95	19.2	Black	1110.0

Elaborated by: BEKO / PM Approved by: BEKR / PM	Document: SDB3800100EN Version: 07	Page 3 of 5
--	---------------------------------------	-------------

This data sheet and its contents belong to LAPP Asia Pacific Pte Ltd. Neither the whole nor any part of the information contained in this data sheet may be adapted or reproduced without prior written consent. Although LAPP Asia Pacific Pte Ltd makes every effort to ensure accuracy at time of publication, information and specifications contained herein are subject to error or omission, and to changes without notice. Users of this data sheet shall check for themselves the information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted.

ref.:

3800100	DATA SHEET	
Valid from: 28.07.2023	ÖLFLEX® POWER LV (N)YY	

<https://lappapac.lappgroup.com>

Part No.	No. of core and conductor cross- section	Approx. Cable OD	Approx. Cable Wt.
	mm ²	mm	kg/km
3800103	2x1.5	10.4	145.0
3800111	2x2.5	11.5	180.0
3800119	2x4	13.5	255.0
3800125	2x6	15.0	285.0
3800129	2x10	17.0	395.0
3800134	2x16	19.0	590.0
3800139	2x25	22.0	900.0
3800148	2x35 (S)	20.0	930.0
3800155	2x50 (S)	23.0	1260.0
3800160	2x70 (S)	26.0	1700.0
3800165	2x95 (S)	30.0	2310.0
3800105	3x1.5	11.5	165.0
3800113	3x2.5	12.0	210.0
3800121	3x4	14.0	305.0
3800126	3x6	15.5	370.0
3800130	3x10	17.5	515.0
3800135	3x16	20.0	740.0
3800141	3x25	24.0	1160.0
3800150	3x35 (S)	23.0	1330.0
3800156	3x50 (S)	26.0	1750.0
3800161	3x70 (S)	29.0	2435.0
3800166	3x95 (S)	35.0	3360.0
3800107	4x1.5	12.0	200.0
3800115	4x2.5	13.0	255.0
3800123	4x4	15.5	375.0
3800127	4x6	17.0	455.0
3800132	4x10	19.0	665.0
3800137	4x16	22.0	930.0
3800144	4x25	25.6	1465.0
3800151	3x35+16	24.7	1570.0
3800153	4x35 (S)	26.0	1740.0
3800157	3x50+25	28.3	2220.0
3800158	4x50 (S)	29.0	2320.0
3800162	3x70+35	32.0	2930.0
3800163	4x70 (S)	33.0	3215.0
3800167	3x95+50	37.5	3530.0
3800168	4x95 (S)	39.0	4400.0

Elaborated by: BEKO / PM Approved by: BEKR / PM	Document: SDB3800100EN Version: 07	Page 4 of 5
--	---------------------------------------	-------------

This data sheet and its contents belong to LAPP Asia Pacific Pte Ltd. Neither the whole nor any part of the information contained in this data sheet may be adapted or reproduced without prior written consent. Although LAPP Asia Pacific Pte Ltd makes every effort to ensure accuracy at time of publication, information and specifications contained herein are subject to error or omission, and to changes without notice. Users of this data sheet shall check for themselves the information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted.

ref.:

3800100	DATA SHEET	
Valid from: 28.07.2023	ÖLFLEX® POWER LV (N)YY	

<https://lappapac.lappgroup.com>

Part No.	No. of core and conductor cross- section	Approx. Cable OD	Approx. Cable Wt.
	mm ²	mm	kg/km
3804002	5G1.5	12.4	205.0
3800970	5G2.5	13.4	275.0
3800971	5G4	16.0	408.0
3804005	5G6	17.5	545.0
3804006	5G10	20.0	811.0
3804007	5G16	23.0	1195.0
3804008	5G25	27.6	1814.0
3800972	5G35	31.0	2450.0
3804009	7x1.5	13.2	260.0
3804010	12x1.5	17.0	408.0
3804011	14x1.5	17.7	463.0
3804012	16x1.5	18.7	518.0
3804013	19x1.5	19.6	597.0
3804014	24x1.5	22.8	742.0
3804015	27x1.5	23.3	817.0
3804016	37x1.5	26.1	1077.0
3804017	48x1.5	30.0	1382.0
3804018	7x2.5	14.5	356.0
3804019	12x2.5	18.7	571.0
3804020	14x2.5	19.6	650.0
3804021	16x2.5	20.7	731.0
3804022	19x2.5	21.8	848.0
3804023	24x2.5	25.4	1058.0
3804024	27x2.5	26.0	1170.0
3804025	37x2.5	29.0	1556.0
3804026	48x2.5	33.6	2017.0

Note: (S) – Sectorial shape conductor
Reduced core (Blue colour) – Neutral conductor

Elaborated by: BEKO / PM Approved by: BEKR / PM	Document: SDB3800100EN Version: 07	Page 5 of 5
--	---------------------------------------	-------------

This data sheet and its contents belong to LAPP Asia Pacific Pte Ltd. Neither the whole nor any part of the information contained in this data sheet may be adapted or reproduced without prior written consent. Although LAPP Asia Pacific Pte Ltd makes every effort to ensure accuracy at time of publication, information and specifications contained herein are subject to error or omission, and to changes without notice. Users of this data sheet shall check for themselves the information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted.

ref.: