

ÖLFLEX® POWER RV-K

Power and control cable with rated voltage 0,6/1 kV for fixed installation



Application

ÖLFLEX® POWER RV-K cables are suitable as power and control cables for fixed installation subject to medium mechanical load conditions. These cables are suitable for permanent indoor and outdoor fixed installations, can be buried in tubes or conduits, and directly in ground⁽¹⁾.

As power and connecting cable for control systems in machine tools, plant engineering and construction, industrial machinery, production and assembly lines, public buildings and similar applications.

Standards

- IEC 60502-1
- UNE 21123-2
- Colour code: acc. to HD 308 S2
- Flame-retardant: IEC/EN 60332-1-2
- CPR: EN 13501-6 & EN 50575
- HD 603-3J: Cold bending and impact test

CPR

- DoP Number: PoliDoP044
- Range: Define on DoP
- Class: E_{ca}

Design

- Conductor: fine wire strands of class 5 copper, acc. IEC/EN 60228
- Insulation: cross-linked polyethylene (XLPE)
- Stranding: cores are stranded in layers
- Outer sheath: PVC compound ST₂ acc. to IEC 60502-1
- Outer sheath colour: black (similar RAL 9005)
- Outer sheath mark:

“LAPP KABEL STUTTGART ÖLFLEX® POWER RV-K <AZ G/X Q> 0,6/1 kV AENOR CE
<batch order> <traceability code> XXXXm”



Technical Data



Temperature (°C)

Fixed installation:
-30 up to 70
During installation:
0 up to 70

Max. conductor temp. (°C):
90

Max. short-circuit conductor temperature (°C):
250 (5 sec.)



Minimum bending radius

4 x (OD* ≤ 8 mm)
5 x (8 mm < OD* ≤ 12 mm)
6 x (OD* > 12 mm)



Nominal Voltage (U₀/U)

0,6/1 kV (1,5 kV d.c.)



Voltage Test

3,5 kV a.c. (5 minutes)

*OD - Outer Diameter

⁽¹⁾ Cables can be directly buried in ground, according to methods of installation are D1 or D2, of the standard IEC 60364-5-52

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Article number	Cond. x section (Nxmm ²)	Current free air 40°C (*) (A)	Current buried 25°C (*) (A)	Nominal outer diameter (mm)	Copper index (kg/km)	Weight approx. (kg/km)
15510001	1x6	48	58	7,3	57,6	102
15510002	1x10	64	96	8,3	96	147
15510003	1x16	86	125	9,3	154	214
15510004	1x25	120	160	11,1	240	314
15510005	1x35	145	185	12,4	336	419
15510006	1x50	185	190	14,2	480	578
15510007	1x70	230	280	16,1	672	795
15510008	1x95	285	335	17,7	912	1.046
15510009	1x120	335	380	19,1	1.152	1.320
15510010	1x150	385	425	21,4	1.440	1.687
15510011	1x185	450	480	24,0	1.776	1.985
15510012	1x240	535	550	26,7	2.304	2.596
15510013	1x300	615	620	30,3	2.880	3.183
15510014	2x4	44	67	10,6	76,8	186
15510015	3G1.5	17	28	9,2	43,2	123
15510016	3G2.5	25	40	10,1	72	169
15510017	3G4	34	52	11,3	115,2	230
15510018	3G6	44	66	12,5	172,8	301
15510019	3G10	61	88	14,3	288	456
15510020	3G16	82	115	16,7	460,8	657
15510021	3G25	110	150	20,3	720	991
15510053	3x240+1G120	468	370	58,7	8.064	9.220
15510022	4G1.5	17	28	10,7	57,6	168
15510023	4G2.5	25	40	11,8	96	223
15510024	4G4	34	52	13,1	153,6	303
15510025	4G6	44	66	14,4	230,4	399
15510026	4G10	61	88	16,8	384	595
15510027	4G16	82	115	19,3	614,4	859
15510028	4G25	110	150	23,7	960	1.318
15510029	4G35	135	152	26,8	1.344	1.771
15510030	4G50	165	180	31,4	1.920	2.482
15510031	4G70	210	260	35,7	2.688	3.630
15510032	4G95	259	222	38,2	3.648	4.170
15510049	4G120	301	253	40,5	4.608	5.328
15510050	4G150	353	286	44,6	5.760	7.560
15510051	4G185	400	350	49,3	7.104	8.114
15510052	4G240	468	370	56,6	9.216	10.656
15510033	5G1.5	17	28	11,5	72	186
15510034	5G2.5	25	40	12,7	120	253
15510035	5G4	31	52	14,2	192	350
15510036	5G6	44	66	15,7	288	468
15510037	5G10	61	88	18,4	480	705

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15510038	5G16	82	115	21,1	768	1.027
15510039	5G25	110	150	26,1	1.200	1.582
15510040	5G35	135	180	29,4	1.680	2.134
15510041	7G1.5	NA	NA	13,1	100,8	260
15510042	7G2.5	NA	NA	14,5	168	335
15510043	12G1.5	NA	NA	16,2	172,8	362
15510044	12G2.5	NA	NA	18,1	288	506
15510045	19G1.5	NA	NA	18,9	273,6	523
15510046	19G2.5	NA	NA	21,2	456	743
15510047	24G1.5	NA	NA	21,5	345,6	643
15510048	24G2.5	NA	NA	24,2	576	919

(*) For single core: according to IEC 60364-5-52 table B.52.12 installation on the air and table B.52.5 buried.

For multi-core: according to IEC 60364-5-52 table B.52.12 installation on the air and table B.52.3 and B.52.5 buried.