

Aaron-Flex



SW-K PVC/PVC

PVC control and connection cable in alignment with DIN VDE 0262, DIN VDE 0285-525-2-51 / DIN EN 50525-2-51, VDE 0250-1 and VDE 0276-627 resp. HD 627 S1

Application

The cables are used in industrial areas such as port industry.

The use of high-quality materials and advanced production processes, With excellent wear resistance and corrosion resistance, It can work stably in harsh port environment for a long time to ensure the safety and reliability of the equipment.

Construction

Certification

EN 13501-6 and EN 50575

Classification of fire behaviour

Conductor

Copper wire bare, finely stranded acc. to DIN VDE 0295 class 5 / IEC 60228 class 5

Insulation

Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type T12)

Core identification code

Core identification acc. to DIN VDE 0293-334, black cores with consecutive labeling in white digits

Protective conductor:

G = with protective conductor GN-YE

x = without protective conductor

Stranding

Cores stranded in layers with optimal lay lengths

Outer sheath:

PVC acc. to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1 (compound type TM2)

Sheath colour:

black (RAL 9005)

Standards

. Flame-retardant acc. to DIN VDE 0482-332-1-2/ DIN EN 60332-1-2 / IEC 60332-1-2

. UV-resistant acc. to DIN EN ISO 4892-2, Method A, DIN EN 50289-4-17/VDE 0819-289-4-17, Method A

. Ozone resistance acc. to EN 50396

. Tests acc. to IEC 60811, EN 50395, EN 50396

. Weather-resistant acc. to DIN EN ISO 4892-2

. Approvals: CE

Characteristics

Temperature range

flexible -15°C to +80°C

fixed -40°C to +80°C

Nominal voltage

AC U₀/U 600/1000 V

Test voltage core/core

4000 V

Breakdown voltage

8000 V

Minimum bending radius

flexible 7,5x Outer- Ø

fixed 4x Outer- Ø

Length marking:

in metres

- resistant to: UV radiation, weathering effects
- largely resistant to: oil
- for outdoor use
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers



Product Selection

SW-K PVC/PVC

Cat.no.	n x mm ²	Outer diameter* [mm]	Cop. weight* [kg/km]	Approximate cable weight* [kg/km]
P0001	1x4	9	38	90
P0002	1x6	9.8	58	116
P0003	1x10	10.7	96	163
P0004	1x16	11	154	233
P0005	1x25	12.7	240	336
P0006	1x35	13.7	336	450
P0007	1x50	15.2	480	630
P0008	1x70	17	672	864
P0009	1x95	19.2	911	1146
P0010	1x120	20.7	1151	1440
P0011	1x150	22.5	1439	1788
P0012	1x185	24.5	1775	2190
P0013	1x240	27.4	2303	2820
P0014	2x1.5	8.5	29	134
P0015	2x2.5	9.6	48	176
P0016	2x4	11	77	230
P0017	2x6	15.8	115	299
P0018	2x10	17.4	192	432
P0019	2x16	19.2	307	666
P0020	3x1.5	10.3	43	156
P0021	3x2.5	11.8	72	209
P0022	3x4	15.2	115	276
P0023	3x6	16.3	173	390
P0024	3x10	18	288	582
P0025	3x16	20	461	846
P0026	3x25	24	720	1338
P0027	3x35	25.4	1007	1716
P0028	3x50	28.2	1439	2370
P0029	3x70	33	2015	3354
P0030	3x95	36.4	2734	4338
P0031	3x120	41	3454	5430
P0032	3G1.5	10.3	43	156
P0033	3G2.5	11.8	72	209
P0034	4x1.5	11.2	58	186
P0035	4x2.5	12.3	96	253
P0036	4x4	16.3	154	336
P0037	4x6	17.5	230	468
P0038	4x10	19.4	384	708
P0039	4x16	21.6	614	1080

Cat.no.	n x mm ²	Outer diameter* [mm]	Cop. weight* [kg/km]	Approximate cable weight* [kg/km]
P0040	4x25	26.6	959	1692
P0041	4x35	28	1343	2172
P0042	4x50	32	1919	3108
P0043	4x70	36.9	2686	4254
P0044	4x95	41	3646	5526
P0045	4x120	45.3	4605	6948
P0046	4G1.5	11.2	58	186
P0047	4G2.5	12.3	96	253
P0048	4G4	16.3	154	336
P0049	4G6	17.5	230	468
P0050	4G10	19.4	384	708
P0051	4G16	21.6	614	1080
P0052	4G25	26.6	959	1692
P0053	4G35	28	1343	2172
P0054	4G50	32	1919	3108
P0055	4G70	36.9	2686	4254
P0056	4G95	41	3646	5526
P0057	4G120	45.3	4605	6948
P0058	5G1.5	10.5	72	215
P0059	5G2.5	12.5	120	295
P0060	5G4	14.3	192	402
P0061	5G6	16.2	288	540
P0062	5G10	21.3	480	822
P0063	5G16	25.2	768	1302
P0064	5G25	30.7	1199	1866
P0065	5G35	34	1679	2610
P0066	5G50	39.9	2399	3732
P0067	5G70	45.1	3358	5148
P0068	7G1	10.9	67	204
P0069	7G1.5	15.6	101	444
P0070	7G2.5	16.8	168	552
P0071	12G1	13.8	115	348
P0072	12G1.5	19.2	173	660
P0073	12G2.5	20.6	288	840
P0074	19G1.5	21.6	273	900
P0075	19G2.5	23.4	456	1164
P0076	24G1.5	24.5	345	1104
P0077	24G2.5	27	576	1440
P0078	32G1.5	25.3	461	1472

Aaron-Flex reserves the right to carry out any modification to the data sheets whatsoever without giving previous notice.

*For reference only, the actual parameters of the manufacturer prevail