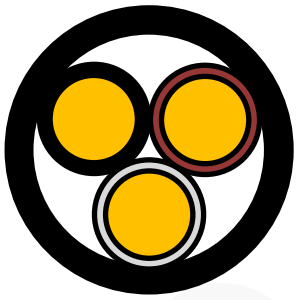
XZ1-K

-40°C ÷ +90°C

The marine halogen free power cable

STANDARD:

- **IEC 60092-353; IEC 60332-3-22**



CHARACTERISTIC:

- Constant operating temperature:- 40°C to + 90°C
- Nominal voltage: 0,6/1,0 kV
- Maximum conductor temperature: +90°C
- Maximum short-circuit temperature: 250°C (max. 5 s).
- Minimum service temperature: -40°C (fixed and protected installations).
- Lowest installation temperature: -15°C.
- Test voltage 50Hz: 3500V (AC)
- Flame non-propagation according to IEC 60332-1.
- Fire non-propagation according to EC 60332-3-22. LSHF (Low Smoke Halogen Free) according to IEC 60754-1. Low smoke emission according to IEC 61034: light transmittance > 60%. Low corrosive gases emission according to IEC 60754-2.
- Minimum bending radius: 4x cable diameter.
- Chemical & Oil resistance: Good.
- UV Resistant according to EN 50618.

CONSTRUCTION:

- Conductor: Electrolytic copper, class 5 (flexible), according IEC 60228.
- Insulation: Cross-linked polyethylene type HF XLPE-90 °C according to IEC 60092-360.
- The filling is made of a special flame-retardant and halogen-free thermoplastic mixture and the core in larger outer diameters is wrapped in polyester foil.
- Outer sheath: Low smoke halogen free (LSHF) polyolefin outer sheath SHF1 type according to IEC 60092-360. Black color,

APPLICATIONS:

Marine use also in public places.

CONFECTION:



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TABLE OF EXTERNAL DIMENSIONS OF CABLES

Number and cross-section	Diameter	Weight	Open air 45°C	Voltage drop	Conductor resistance
[n x mm^2]	[mm]	[kg/km]	[A]	[V/A * km]	[Ohm/km]
1 x 2,5	5,4	45	25	17,7	7,98
1 x 4	5,9	61	35	11,0	4,95
1 x 6	6,5	81	46	7,32	3,30
1 x 10	7,4	122	64	4,23	1,91
1 x 16	8,6	181	88	2,68	1,21
1 x 25	10,4	271	117	1,73	0,78
1 x 35	11,7	370	147	1,23	0,55
1 x 50	13,4	510	180	0,86	0,39
1 x 70	15,3	704	233	0,6	0,27
1 x 95	17,4	923	285	0,46	0,21
1 x 120	19,0	1,157	333	0,36	0,16
2 x 1,5	8,0	97	23	34	13,3
2 x 2,5	9,1	131	31	20,4	7,98
2 x 4	10,2	176	43	12,7	4,95
2 x 6	11,4	234	55	8,45	3,30
2 x 10	13,3	348	75	4,89	1,91
2 x 16	15,1	493	100	3,1	1,21
3 x 1,5	8,9	118	23	34	13,3
3 x 2,5	9,8	156	31	20,4	7,98
3 x 4	10,9	211	43	12,7	4,95
3 x 6	12,2	285	55	8,45	3,30
3 x 10	14,6	442	75	4,89	1,91
3 x 16	16,8	642	87	2,68	1,21
4 x 1,5	9,7	140	20	29,5	13,3
4 x 2,5	10,6	185	28	17,7	7,98
4 x 4	12,1	262	37	11,0	4,95
4 x 6	13,5	351	47	7,32	3,30
4 x 10	16,0	544	65	4,23	1,91
4 x 16	18,7	802	87	2,68	1,21

Other structures and cross-sections available on request.

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