

DATA SHEET

UX P15/P108 1x35 NEK606 0,6/1 kV



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The product may differ from the illustration.

Features

- earthing & binding wires
- flame retardant
- mud & oil resistant acc. to NEK 606
- sheath material acc. To IEC 60092-360 SHF2

Applications

Earthing and bonding cable is designed for protective grounding and equipotential bonding in marine, industrial, and infrastructure applications in accordance with IEC 60092 and NEK 606. It offers high flame retardancy, low smoke and halogen emission, and resistance to oil and mud. Typical applications include shipbuilding, railway systems, and power installations up to 0.6/1 kV.

Technical data

Conductor (FX-)	Stranded tinned annealed copper wires as per IEC 60228 Class 2 Option: Stranded tinned annealed copper wires as per IEC 60228 Class 5 A suitable tape may be applied on the conductor
Sheath UX	SHF2 as per IEC 60092-360 Option: NEK 606 Category a,b,c,d mud or oil resistant
Identification	Yellow/Green (green base color with yellow stripe)
Cable type	0.6/1 kV UX
Design guide	IEC 60092-350, IEC 60092-353, NEK 606
Sheath material	IEC 60092-360 SHF2
Flame retardant	IEC 60332-1, IEC 60332-3 Category A
Halogen content	IEC 60754-1, $\leq 0.5\%$
Smoke emission	IEC 61034, $\geq 60\%$
Fluorine content	IEC 60684-2, $\leq 0.1\%$
pH and conductivity	IEC 60754-2, pH ≥ 4.3 , conductivity $\leq 10 \mu\text{S}/\text{mm}$
Cold bend/impact	CSA 22.2 NO. 0.3(-40°C/-35°C)
Mud & oil resistant	NEK 606 (Category a, b, c, d)

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Construction n x mm ²	Min. no. of wires	Conductor max. diameter mm	Sheath thickness mm	Overall diameter nominal mm	Max. conductor resistance at 20°C Ω/km	Test voltage V/5min.	Cable weight kg/km
1x1,0	7	1,4	1,0	3,5	18,2	3,500	26
1x1,5	7	1,7	1,0	3,8	12,2	3,500	33
1x2,5	7	2,2	1,0	4,2	7,56	3,500	43
1x4	7	2,7	1,0	4,7	4,70	3,500	59
1x6	7	3,3	1,0	5,3	3,11	3,500	81
1x10	7	4,2	1,0	6,2	1,84	3,500	120
1x16	7	5,3	1,0	7,2	1,16	3,500	180
1x25	7	6,6	1,2	8,9	0,734	3,500	280
1x35	7	7,9	1,2	10,0	0,529	3,500	380
1x50	19	9,1	1,4	11,8	0,391	3,500	510
1x70	19	11,0	1,6	13,9	0,270	3,500	730
1x95	19	12,9	1,6	15,8	0,195	3,500	980
1x120	37	14,5	1,6	17,3	0,154	3,500	1210
1x150	37	16,2	1,8	19,2	0,126	3,500	1480
1x185	37	18,0	2,0	21,5	0,100	3,500	1860
1x240	61	20,6	2,2	24,5	0,0762	3,500	2440
1x300	61	23,1	2,4	27,2	0,0607	3,500	3030