



AAC – All Aluminium Conductor

Aluminium rope for overhead line

APPLICATION

NHXH cables are suitable for fixed installation in dry and damp environment, on or under plaster, on cable trays, same as in walls and concrete. Not intended for direct laying in ground or water. For outdoor application can be laid in tubes, but in that case should be taken all precautionary measures necessary to prevent water penetration into the tubes. Suitable for electric installations with marked fire-fighting and function preserving requirements, for alarm systems, fire sensors, evacuation elevators and other supply systems in an emergency. Appropriate for application in all situations where people and material goods need to be protected in case of fire. Recommended for public buildings frequented by a lot of people, and for buildings of high material value, for industrial complexes, electric power plants, transformer stations, municipal facilities, hotels, shopping malls, hospitals, schools, airports, underground railways and similar. Important- NHXH cables should not be laid on common trays, but on fire-resistant trays which retain their geometry in case of fire. Keeping NHXH cables in the same position in case of fire, enables additional protection of cable conductivity, by means of the mineral layer discharged around the cable at increased temperature.

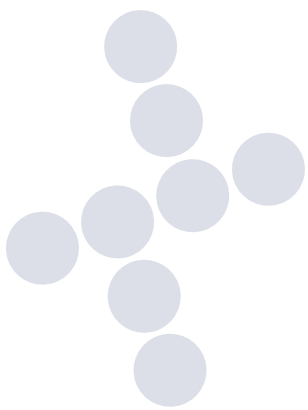
STANDARD

EN 50182, DIN 48204

CORE IDENTIFICATION

According to HD 308 S2

CODE	OLD CODE	SECTION	STRANDING	OVERALL DIAMETAR	RATED STRENGTH	EL. RESISTANCE AT 20°C	CONDUCTOR WEIGHT	CURRENT CARRYING CAPACITY
mm ²		mm ²	No. x mm	mm	kN	Ω/km	kg/km	Amps
24-AL1	25	24,2	7x2,10	6,3	4,36	1,1787	66,3	144
34-AL1	35	34,4	7x2,50	7,5	6,01	0,8317	93,9	180
49-AL1	50	49,5	7x3,00	9,0	8,41	0,5776	135,2	225
48-AL1	50	48,3	19x1,80	9,0	8,94	0,5944	135,2	225
66-AL1	70	65,8	19x2,10	10,5	11,85	0,4367	180,9	270
93-AL1	95	93,3	19x2,50	12,5	16,32	0,3081	256,3	340
117-AL1	120	117	19x2,80	14,0	19,89	0,2456	321,5	390
147-AL1	150	147,1	37x2,25	15,8	26,48	0,1960	405,7	455
182-AL1	185	181,6	37x2,50	17,5	31,78	0,1588	500,9	520
243-AL1	240	242,5	61x2,25	20,3	43,66	0,1193	671,1	625
299-AL1	300	299,4	61x2,50	22,5	52,40	0,0966	828,5	710
400-AL1	400	400,1	61x2,89	26,0	68,02	0,0723	1107,1	855
452-AL1	450	451,5	61x3,07	27,6	74,50	0,0641	1249,3	925
500-AL1	500	499,8	61x3,23	29,1	82,47	0,0579	1382,9	990
626-AL1	625	626,2	91x2,96	32,6	106,45	0,0464	1739,7	1140
802-AL1	800	802,1	91x3,35	36,9	132,34	0,0362	2228,3	1340
1000-AL1	1000	999,7	91x3,74	41,1	159,95	0,0291	2777,3	1540



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