

APPLICATION

These cables are mainly used for overhead lines, in transmission and distribution electrical networks, requiring a high mechanical tension. They are also used as carrier for holding overhead electrical cables.

ALMELEC cables according to : NF EN 50182

CONSTRUCTION

Conductor : Stranded Aluminium alloy (ALMELEC)

CHARACTERISTICS

Rated voltage : H.V.A : > 1 kV & 50 kV

Conductor : All Aluminium alloy (ALMELEC) wires, are stranded in successive layers, in opposite direction to form the stranded conductor

Parameter

Conductor designation		Cross Section	Compo- sition	Outer diameter	Tensile Strength	Max. resistance in DC at 20°C	Current rating at 30°C	Approx. weight	Use Tension (indicative)
Nouvelle New	Ancienne Old	mm ²	nbre x ∅ (mm)	(mm)	DaN	Ω / Km	A	Kg/Km	Kv
22-AL4	ASTER 22	21,99	7 x 2,00	6,00	715	1,5	115	60,2	30
34-AL4	ASTER 34,4	34,36	7 x 2,50	7,50	1117	0,958	145	94	30
55-AL4	ASTER 54,6	54,55	7 x 3,15	9,45	1773	0,603	190	149	30
76-AL4	ASTER 75,5	75,54	19 x 2,25	11,25	2455	0,438	240	208	30
117-AL4	ASTER 117	116,98	19 x 2,80	14,00	3802	0,283	270	322	30
148-AL4	ASTER 148	148,01	19 x 3,15	15,75	4812	0,224	315	407	30
181,6-AL4	ASTER 181,6	181,62	37 x 2,50	17,50	5903	0,183	365	500	30
228-AL4	ASTER 228	227,83	37 x 2,80	19,60	7405	0,146	480	627	150
288-AL4	ASTER 288	288,34	37 x 3,15	22,90	9371	0,115	550	794	150
366-AL4	ASTER 366	366,22	37 x 3,55	24,85	11536	0,0905	770	1009	225
413-AL4 (AAAC816MCM)*		413,5	37 x 3,77	26,4	12548	0,0795	850	1180	225
570-AL4	ASTER	570,22	61 x	31,05	18533	0,0583	1080	1576	400

	570		3,45						
851-AL4	ASTER 851	850,7	91 x 3,45	38,00	27647	0,0394	1500	2360	400