

7 Overhead Lines

7.3 All Aluminium Conductors (AAC)

Application: All Aluminium Conductors are used in overhead lines for distribution of electricity in short spans.

Engineering Specifications

Type	: All Aluminium Conductors
Standard	: BS 215, SLS 750
Packing	: The AAC are delivered on non-returnable wooden drums as per customer requirement



Technical Information

KELANI Cable Code	Nominal Area of Conductor	No./ Stranding Wire Dia.	Approximate Overall Diameter	Approximate Weight	Maximum DC Resistance at 20°C	Nominal Breaking Load	Code Word
	mm ²	x/mm	mm	kg/km	Ω/km	kN	
FM1322061Z	23	7/2.06	6.18	64	1.227	4.00	Midge
FM1322211Z	25	7/2.21	6.66	73	1.086	4.59	Gnat
FM1332591Z	35	7/2.59	7.8	101	0.7731	6.17	Mosquito
FM1353101Z	50	7/3.10	9.3	145	0.5419	8.30	Ant
FM1363401Z	60	7/3.40	10.20	174	0.4505	9.90	Fly
FM1373661Z	70	7/3.66	11.0	202	0.3884	11.34	Bluebottle
FM1384391Z	100	7/4.39	13.18	290	0.2702	16.00	Wasp
FM1394901Z	130	7/4.90	14.7	391	0.2169	19.90	Bee
FM1413251Z	150	19/3.25	16.25	434	0.1825	24.70	Hornet
FM1423531Z	185	19/3.53	17.7	512	0.1547	28.60	Caterpillar
FM1423781Z	200	19/3.78	18.9	587	0.1234	32.40	Chafer
FM1433991Z	230	19/3.99	20.0	652	0.1214	36.00	Spider
FM1434221Z	250	19/4.22	21.1	731	0.09903	40.40	Cockroach
FM1444651Z	300	19/4.65	23.3	888	0.08153	48.70	Butterfly
FM1453781Z	400	37/3.78	26.5	1145	0.06350	63.10	Centipede
FM1464271Z	500	37/4.27	29.9	1460	0.05445	79.98	Scorpion