

ALL ALUMINUM ALLOYED CONDUCTORS AlMgSi (AAAC)

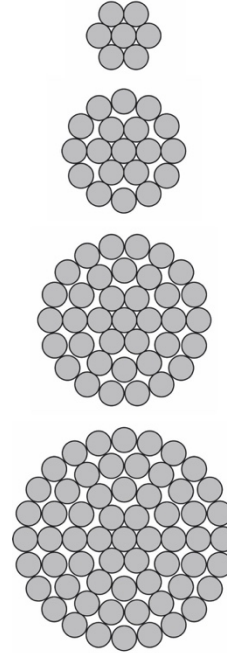
Application

AlMgSi-alloy (AL7) is designed to have a higher strength to weight ratio and provides improved electrical properties, excellent clamping properties and superior corrosion resistance compared to ACSR. This has given the AlMgSi-conductor broad acceptance in power distribution grids.

Additional corrosion protection is available through different grease alternatives.

Standard

Construction SS 424 08 12



E-number	Old code	Area [mm ²]	No. of wires [-]	Wire diameter [mm]	Conductor diameter [mm]	Weight [kg/km]	Tensile strength [kN]	DC resistance [Ω/km]
0620156	AlMgSi - 62	62,4	7	3,37	10,1	170,5	17,2	0,4858
0620163	AlMgSi - 99	99,3	7	4,25	12,8	271,1	25,3	0,3055
0620166	AlMgSi - 159	158,6	19	3,26	16,3	435,4	43,6	0,1923
0620167	AlMgSi - 241	241,2	19	4,02	20,1	662,1	61,5	0,1265
0620169	AlMgSi - 329	330,0	37	3,37	23,6	909,2	90,8	0,0927
0620177	AlMgSi - 454	454,5	61	3,08	27,7	1256,1	125,0	0,0676
0620180	AlMgSi - 593	593,6	61	3,52	31,7	1640,6	157,3	0,0517
0620183	AlMgSi - 774	774,2	61	4,02	36,2	2139,8	197,4	0,0397
0620184	AlMgSi - 910	910,7	61	4,36	39,2	2517,0	232,2	0,0337

Direction of lay of external layer is right-hand (Z)

All illustrations and specifications of weight, size and dimensions are only indicative