



TEK TEL ALÜMİNYUM KAPLAMALI ÇELİK İLETKEN

SINGLE WIRE ALUMINUM CLAD STEEL (ACS) CONDUCTORS

Class	Final Modulus of Elasticity (Gpa)	Thermal Elongation Coefficient (K ⁻¹ x10 ⁶)	Temperature Coefficient (K ⁻¹)	Nominal Diameter (mm)	Min. Tensile Strength (Mpa)	Min. Stress at 1% Elongation (Mpa)	Max. Resistivity at 20°C (Ω/km)
14SA	170	12	0,0034	2,10-2,25	1620	1450	123,15(%14 IACS)
				2,25-3,00	1590	1410	
				3,00-3,50	1550	1380	
				3,50-4,75	1520	1340	
				4,75-5,5	1500	1270	
20SA Type.A	162	13	0,0036	1,24-,325	1340	1200	84,8 (20,3% IACS)
				3,25-3,45	1310	1180	
				3,45-3,65	1270	1140	
				3,65-3,95	1250	1100	
				3,95-4,1	1210	1100	
				4,1-4,4	1180	1070	
				4,4-4,6	1140	1030	
				4,6-4,75	1100	1000	
				4,75-5,5	1070	1000	
20SA Type.B	155	12,6	0,0036	1,24-5,5	1320	1000	
23SA	149	12,9	0,0036	2,5-5	1220	980	74,96 (23% IACS)
27SA	140	13,4	0,0036	2,5-5	1080	800	63,86 (27% IACS)
30SA	132	13,8	0,0038	2,5-5	880	650	57,47 (30% IACS)
40SA	109	15,5	0,004	2,5-5	680	500	43,1 (40% IACS)

İlgili Standart / Related Standards: IEC61232, ASTM B502



ALÜMİNYUM KAPLI ÇELİK TELDEN BÜKÜLÜ İLETKEN (TOPRAKLAMA İLETKENİ) STRANDED WIRE ALUMINUM CLAD STEEL (ACS) CONDUCTORS (EARTH WIRE)

Size AWG	Diameter (mm)	Stranded Diameter (mm)	Breaking Load (kg)	Weighth (kg/km)	Max. Resistivity at 20°C (Ω/km)	Cross Section (mm ²)
37/5	4,62	32,36	64,77	4170	0,1394	620,6
37/6	4,115	28,7	54,52	3307	0,1758	492,2
37/7	3,665	25,65	45,67	2622	0,2216	390,3
37/8	3,264	22,83	37,19	2080	0,2794	309,5
37/9	2,906	20,35	30,325	1649	0,3524	245,5
37/10	2,588	18,11	24,01	1308	0,443	194,6
19/5	4,62	23,11	33,27	2128	0,2699	318,7
19/6	4,115	20,57	27,98	1688	0,3403	252,7
19/7	3,665	18,31	23,46	1339	0,4292	200,4
79/8	3,264	16,31	19,61	1062	0,5411	159
19/9	2,906	14,53	15,55	842	0,6821	126,1
19/10	2,588	12,93	12,33	667,8	0,8603	99,93
7/5	4,62	13,87	12,26	781,2	0,7428	117,4
7/6	4,115	12,34	10,31	619,5	0,9197	93,09
7/7	3,665	11	8,645	491,1	1,1598	73,87
7/8	3,264	9,779	7,225	389,6	1,4627	58,56
7/9	2,906	8,712	5,72	308,9	1,8442	46,44
7/10	2,588	7,772	4,54	245,1	2,3255	36,82
7/11	2,304	6,909	3,6	194,4	2,9325	29,18
3/5	4,62	9,957	5,54	334,1	1,6985	50,32
3/6	4,115	8,864	4,66	265	2,1418	39,9
3/7	3,665	7,899	3,91	210,7	2,1009	31,64
3/8	3,264	7,036	3,268	166,7	3,4057	25,1
3/9	2,906	6,274	2,592	132,2	4,2947	19,9
3/10	2,588	5,588	2,055	104,8	5,4168	15,78