



acsr çelik özlü alüminyum iletkenler  
acsr aluminium conductors steel reinforced

ACSR

1 Alüminyum İletken / Aluminium Conductors

Yapısı  
Construction

Kullanım Yerleri  
Application

Orta ve yüksek gerilim iletim hatlarında kullanılırlar. TS EN 50182 standardına uygun olarak alüminyum tellerden ve çinko kaplı çelik tellerden eş merkez tabaklı olarak örülürler. Eğer iletken birden fazla tabakadan oluşuyorsa bitişik tabakalar birbirine ters adım yönünde örülür. İstenildiğinde DIN, BS, ASTM, NF, CSA, EN standartlarına uygun üretim yapılabilir.

They are used in medium and high voltage transmission lines. The aluminium wires and zinc coated steel wires are produced in accordance with TS EN 50182 standards. Conductors are stranded with seven or more wire ass concentrically. If conductors are consist of more than one layer, than they are stranded in reverse direction to each other. Upon request they can be produced in accordance to DIN, BS, ASTM, NF, CSA, EN standards.

TÜRK STANDARTI (A1/S1A) / TURKISH STANDARTS (A1/S1A)

ÇELİK ORANI STEEL RATE	KESİT SECTION			TEL SAYISI WIRE NUMBER		TEL ÇAP WIRE DIAMETER		ÇAP DIAMETER		İLETKEN AĞIRLIK CONDUCTOR WEIGHT	KOPMA YÜKÜ RATED STENGHT	D.C. DİRENÇ D.C. RESISTANCE	STANDART AMBALAJ		
	ALÜM. ALUM.	ÇELİK STEEL	TOPLAM TOTAL	ALÜM. ALUM.	ÇELİK STEEL	ALÜM. ALUM.	ÇELİK STEEL	ÖZ CORE	İLETKEN CONDUCTOR				UZUNLUK LENGHT	NET AĞIR. NET WEIGHT	MAKARA TİPİ DRUM TYPE
%	mm	mm <sup>2</sup>	mm <sup>2</sup>			mm	mm	mm	mm	kg/km	kN	ohm/km	m	kg/ca	
17	16	2.67	18.7	6	1	1.84	1.84	5.53	64.6	6.08	1.7934	9600	620	620	UNL 10
17	25	4.17	29.2	6	1	2.30	2.30	6.91	100.9	9.13	1.1478	6400	645	645	UNL 10
17	40	6.67	46.7	6	1	2.91	2.91	8.74	161.5	14.4	0.7174	4000	645	645	UNL 10
17	63	10.5	73.5	6	1	3.66	3.66	11.0	254.4	21.63	0.4555	3200	815	815	UNL 12
17	100	16.7	117	6	1	4.61	4.61	13.8	403.8	34.33	0.2869	1600	645	645	UNL 10
6	125	6.94	132	18	1	2.97	2.97	14.9	397.9	29.17	0.2304	1600	640	640	UNL 10
16	125	20.4	145	26	7	2.47	1.92	15.7	503.9	45.69	0.231	1600	810	810	UNL 12
6	160	8.89	169	18	1	3.36	3.36	16.8	509.3	36.18	0.1800	1600	815	815	UNL 12
16	160	26.1	186	26	7	2.80	2.18	17.7	644.9	57.69	0.1805	1600	1065	1065	UNL 13
6	200	11.1	211	18	1	3.76	3.76	18.8	636.7	44.22	0.1440	1600	1020	1020	UNL 13
16	200	32.6	233	26	7	3.13	2.43	19.8	806.2	70.13	0.1444	1600	1290	1290	UNL 14
10	250	24.6	275	22	7	3.80	2.11	21.6	880.6	68.72	0.1154	1600	1410	1410	UNL 15
16	250	40.7	291	26	7	3.50	2.72	22.2	1007.7	87.67	0.1155	1600	1610	1610	UNL 15
7	315	21.8	337	45	7	2.99	1.99	23.9	1039.6	79.03	0.0917	1600	1665	1665	UNL 16
16	315	51.3	366	26	7	3.93	3.05	24.9	1269.7	106.83	0.0917	1600	2030	2030	UNL 18
7	400	27.7	428	45	7	3.36	2.24	26.9	1320.1	98.36	0.0722	1600	2110	2110	UNL 18
13	400	51.9	452	54	7	3.07	3.07	27.6	1510.3	123.04	0.0723	1600	2415	2415	UNL 20
7	450	31.1	481	45	7	3.57	2.38	28.5	1485.2	107.47	0.0642	1600	2380	2380	UNL 20
13	450	58.3	508	54	7	3.26	3.26	29.3	1699.1	138.42	0.0643	1600	2720	2720	UNL 20
7	500	34.6	535	45	7	3.76	2.51	30.1	1650.2	119.41	0.0578	1600	2640	2640	UNL 20
13	500	64.8	565	54	7	3.43	3.43	30.9	1887.9	153.8	0.0578	1600	3020	3020	UNL 20
7	560	38.7	599	45	7	3.98	2.65	31.8	1848.2	133.74	0.0516	1600	2960	2960	UNL 20
13	560	70.9	632	54	19	3.63	2.18	32.7	2103.4	172.59	0.0516	1600	3365	3365	UNL 22
7	630	43.6	674	45	7	4.22	2.81	33.8	2079.2	150.45	0.0459	1600	3325	3325	UNL 22
13	630	79.8	710	54	19	3.85	2.31	34.7	2366.3	191.77	0.0459	1600	3785	3785	UNL 22
7	710	49.1	759	45	7	4.48	2.99	35.9	2343.2	169.56	0.0407	1600	3745	3745	UNL 22
13	710	89.9	800	54	19	4.09	2.45	36.8	2666.8	216.12	0.0407	1600	4265	4265	UNL 22