

NADZEMNI PROVODNIK · OVERHEAD CONDUCTOR

ACSS

Aluminijum-čelik uže (ACSS) sa potpuno žarenim Al provodnikom na prevučenom čeličnom jezgru; rad do 250 °C.

Aluminium conductor steel-supported (ACSS): fully-annealed aluminium over a coated steel core; operation to 250 °C.



PRIMENA / APPLICATION

Za nadzemne distributivne i prenosne vodove. Radi neprekidno do 250 °C bez gubitka čvrstoće, ima manji proves od ACSR i samoprigušujuće je — idealno za rekonduktorizaciju i duge raspone.

For overhead distribution and transmission lines. Operates continuously to 250 °C without loss of strength, sags less than comparable ACSR and is self-damping — ideal for reconductoring and long spans.

KONSTRUKCIJA / CONSTRUCTION

Provodnik / Conductor: Aluminijum 1350-O (potpuno žaren)

Jezgro / Core: Prevučena čelična žica / Coated steel

Izvedba / Stranding: Koncentrično užetano / Concentric-lay

Zaštita / Coating: Zn-5%Al mischmetal

PREDNOSTI / ADVANTAGES

Rad do 250 °C bez gubitka čvrstoće; manji proves; samoprigušenje; idealno za rekonduktorizaciju.

Operation to 250 °C without strength loss; reduced sag; self-damping; ideal for reconductoring.

TEHNIČKE KARAKTERISTIKE / SPECS

Provodnik / Conductor	Al 1350-O (žaren)
Jezgro / Core	Prevučeni čelik / Coated steel
Maks. temp. / Max. temp.	250 °C
Izvedba / Stranding	Koncentrično / Concentric
Veličine / Sizes	266,8 – 2515 kcmil
Otpor 20 °C / Resistance	vidi tabelu / see table

STANDARDI / STANDARDS

ASTM B 856 · ASTM B 802 / B 803 (jezgro / core)

DIMENZIJE I PODACI / DIMENSION & DATA

Oznaka CODE WORD	Presek Al Al AREA	Konstr. Al Al STRAND.	Konstr. Fe STEEL STR.	Prečnik DIAMETER	Masa MASS	Sila GA2 STR. GA2	Sila GA3 STR. GA3	Sila AW2 STR. AW2	Otpor 20°C RESISTANCE
ASTM	mm ²	n×mm	n×mm	mm	kg/km	kN	kN	kN	Q/km
PARTRIDGE	135,19	26×2,57	7×2,00	16,30	547	39,50	43,28	37,23	0,2065
JUNCO	135,19	30×2,40	7×2,40	16,77	622	52,04	57,82	49,82	0,2049
OSTRICH	152,01	26×2,73	7×2,12	17,27	614	44,48	48,48	41,81	0,1837
LINNET	170,45	26×2,89	7×2,25	18,30	689	49,82	54,71	46,70	0,1638
ORIOLE	170,45	30×2,69	7×2,69	18,83	784	65,83	72,50	63,16	0,1625
BRANT	201,41	24×3,27	7×2,18	19,61	762	48,93	53,82	46,26	0,1393
IBIS	201,41	26×3,14	7×2,44	19,89	814	57,82	63,16	55,16	0,1386
LARK	201,41	30×2,92	7×2,92	20,46	926	77,84	85,85	74,28	0,1375
FLICKER	241,70	24×3,58	7×2,39	21,49	915	57,82	63,16	55,60	0,1161
HAWK	241,70	26×3,44	7×2,67	21,78	976	69,39	76,06	66,28	0,1155
HEN	241,70	30×3,20	7×3,20	22,42	1112	93,41	100,97	89,40	0,1146
PARAKEET	281,98	24×3,87	7×2,58	23,21	1067	67,61	73,84	64,94	0,0995
DOVE	281,98	26×3,72	7×2,89	23,54	1140	80,95	88,52	77,84	0,0990
EAGLE	281,98	30×3,46	7×3,46	24,22	1297	108,98	117,87	101,86	0,0982
PEACOCK	306,55	24×4,03	7×2,69	24,20	1160	73,39	80,06	70,72	0,0915
SQUAB	306,55	26×3,87	7×3,01	24,53	1239	87,63	96,52	84,51	0,0911
WOOD DUCK	306,55	30×3,61	7×3,61	25,25	1410	115,65	125,88	108,53	0,0904
TEAL	306,55	30×3,61	19×2,16	25,25	1398	118,32	130,33	111,20	0,0904
ROOK	322,26	24×4,14	7×2,76	24,81	1219	76,95	84,51	74,28	0,0871
GROSBEAK	322,26	26×3,97	7×3,09	25,16	1303	92,07	99,64	88,52	0,0866
SCOTER	322,26	30×3,70	7×3,70	25,89	1482	121,88	132,11	111,64	0,0860
EGRET	322,26	30×3,70	19×2,22	25,89	1471	124,54	137,44	116,98	0,0860
FLAMINGO	337,77	24×4,23	7×2,82	25,40	1278	80,95	88,52	77,84	0,0831
GANNET	337,77	26×4,07	7×3,16	25,75	1365	96,52	104,08	92,96	0,0827
STILT	362,54	24×4,39	7×2,92	26,32	1372	86,74	94,74	83,62	0,0774
STARLING	362,54	26×4,21	7×3,28	26,69	1466	103,64	112,09	97,86	0,0770
REDWING	362,54	30×3,92	19×2,35	27,46	1654	137,44	151,68	131,22	0,0765
CUCKOO	402,83	24×4,62	7×3,08	27,73	1524	96,52	103,64	92,96	0,0696
DRAKE	402,83	26×4,44	7×3,45	28,13	1629	115,20	124,54	108,53	0,0693
MACAW	402,83	42×3,50	7×1,94	26,82	1278	52,49	56,04	50,71	0,0705
TERN	402,83	45×3,38	7×2,25	27,01	1333	63,16	67,61	60,05	0,0703
CONDOR	402,83	54×3,08	7×3,08	27,73	1523	96,52	103,64	92,96	0,0696
MALLARD	402,83	30×4,14	19×2,48	28,95	1838	152,57	168,58	146,34	0,0688

DIMENZIJE I PODACI (NASTAVAK) / DIMENSION & DATA (CONT.)

Oznaka CODE WORD	Presek Al Al AREA	Konstr. Al Al STRAND	Konstr. Fe STEEL STR.	Prečnik DIAMETER	Masa MASS	Sila GA2 STR. GA2	Sila GA3 STR. GA3	Sila AW2 STR. AW2	Otpor 20°C RESISTANCE
ASTM	mm ²	n×mm	n×mm	mm	kg/km	kN	kN	kN	Ω/km
RUDDY	456,03	45×3,59	7×2,40	28,74	1509	70,28	75,62	68,05	0,0621
CANARY	456,03	54×3,28	7×3,28	29,51	1725	109,42	117,43	103,19	0,0615
REDBIRD	483,39	24×5,06	7×3,38	30,39	1829	115,65	124,54	109,42	0,0580
RAIL	483,39	45×3,70	7×2,47	29,59	1600	74,28	80,06	72,06	0,0586
TOWHEE	483,39	48×3,58	7×2,79	29,85	1673	87,63	94,74	84,51	0,0584
CARDINAL	483,39	54×3,38	7×3,38	30,38	1828	115,65	124,54	109,42	0,0580
CANVASBACK	483,39	30×4,53	19×2,72	31,70	2205	182,81	201,94	175,25	0,0572
SNOWBIRD	523,67	42×3,99	7×2,21	30,57	1662	68,50	72,95	65,83	0,0542
ORTOLAN	523,67	45×3,85	7×2,57	30,78	1733	80,51	86,74	78,28	0,0541
CURLEW	523,67	54×3,51	7×3,51	31,62	1980	125,43	134,77	116,09	0,0536
BLUEJAY	563,96	45×4,00	7×2,66	31,96	1867	86,74	93,41	84,07	0,0502
FINCH	563,96	54×3,65	19×2,19	32,82	2129	135,22	147,67	127,66	0,0500
BUNTING	604,24	45×4,14	7×2,76	33,08	2001	92,96	100,08	90,29	0,0468
GRACKLE	604,24	54×3,77	19×2,27	33,98	2282	145,00	157,90	137,00	0,0467
BITTERN	644,52	45×4,27	7×2,85	34,16	2133	99,19	106,75	96,08	0,0439
PHEASANT	644,52	54×3,90	19×2,34	35,09	2434	151,68	165,91	145,89	0,0438
DIPPER	684,55	45×4,40	7×2,93	35,21	2267	105,42	113,42	102,30	0,0413
MARTIN	684,55	54×4,02	19×2,41	36,16	2585	161,02	176,14	155,24	0,0412
BOBOLINK	725,09	45×4,53	7×3,02	36,23	2400	111,64	120,10	108,09	0,0390
POLVER	725,09	54×4,14	19×2,48	37,22	2738	170,80	186,37	164,13	0,0389
NUTHATCH	765,12	45×4,65	7×3,10	37,22	2533	117,87	124,99	114,31	0,0370
PARROT	765,12	54×4,25	19×2,55	38,22	2888	179,70	196,60	173,03	0,0369
RATITE	805,65	42×4,94	7×2,75	37,89	2557	104,08	111,20	100,97	0,0352
LAPWING	805,65	45×4,78	7×3,18	38,20	2668	124,10	131,66	120,10	0,0351
FALCON	805,65	54×4,36	19×2,62	39,23	3043	189,48	207,28	182,81	0,0350
CHUKAR	901,93	84×3,70	19×2,22	40,67	3086	157,01	169,91	149,45	0,0315
MOCKINGBIRD	1030,88	72×4,27	7×2,85	34,17	3218	120,99	128,55	117,87	0,0277
ROADRUNNER	1042,28	76×4,18	19×1,95	34,83	3346	141,00	150,79	134,77	0,0273
BLUEBIRD	1092,45	84×4,07	19×2,44	44,76	3737	187,26	202,38	181,03	0,0260
KIWI	1098,02	72×4,41	7×2,94	35,28	3428	128,99	137,00	125,43	0,0260
THRASHER	1171,49	76×4,43	19×2,07	36,93	3760	158,35	169,47	151,68	0,0243
JOREE	1274,35	76×4,62	19×2,16	38,52	4091	172,14	184,15	165,02	0,0224

NAPOMENE / NOTES

- Otpor i masa dati su na 20 °C; veličine prema ASTM (kcml / mm²). / Resistance and mass given at 20 °C; sizes per ASTM (kcml / mm²).
- Prekidna sila zavisi od tipa jezgra: GA2, GA3 (pocinkovano) i AW2 (Al-prevučeno). / Rated strength depends on core type: GA2, GA3 (galvanized) and AW2 (aluminium-clad).
- Aluminijum je potpuno žaren (1350–O), rad do 250 °C. Vrednosti orijentacione, podložne izmenama. / Aluminium fully annealed (1350–O), operation to 250 °C. Values indicative, subject to change.