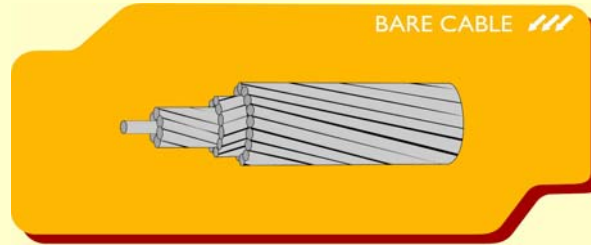


ACSR

Aluminium Conductors Steel Reinforced



BARE CONDUCTOR

TECHNICAL DATA

SPEC STD Specification : SPLN 41-7, SNI 04-0205

APL Used for overhead transmission lines

° C - Ambient temperature : 35 ° C

∅ - Wind velocity : 0.6 m/sec

∞ - Continuous operating of conductor : 80 ° C

DIMENSIONAL , MECHANICAL & ELECTRICAL DATA

Nominal Aluminium / Steel	AREA			Number of core & Dia. Wire		Overall Diameter approx.	Weight Total	Min. Calculated Breaking Load	Max. DC Resistance at 20°C	Current Carring Capacity*	Std. Length per reel
	Aluminium	Steel	Total	Aluminium	Steel						
(mm ²)	(mm ²)	(mm ²)	(mm ²)	n / (mm)	n / (mm)	(mm)	(kg / km)	(KN)	(Ohm/km)	(A)	(M±5%)
16/2.5	15.3	2.55	17.8	6/1.8	1/1.80	5.4	63	5.80	1.8793	100	10.000
25/4.0	23.8	4.0	27.8	6/2.25	1/2.25	6.8	98	9.01	1.2028	135	
35/6.0	34.3	5.7	40.0	6/2.7	1/2.70	8.1	140	12.43	0.8353	165	
44/32.0	44.0	31.7	75.7	14/2.0	7/2.4	11.2	379	44.18	0.6573	205	5.000
50/8.0	48.3	8.0	56.3	6/3.2	1/3.2	9.6	197	16.83	0.5946		10.000
50/30	51.2	29.8	81.0	12/2.33	7/2.33	11.7	383	42.95	0.5644	225	5.000
70/12	69.9	11.4	81.3	26/1.85	7/1.44		284	26.25	0.4130	260	
95/15	94.4	15.3	109.7	26/2.15	7/1.67	13.6	383	34.97	0.3058	315	
95/55	96.5	56.3	152.8	12/3.2	7/3.20	16	723	78.14	0.2992	335	3.000
105/75	105.7	75.5	181.5	14/3.1	19/2.25	17.5	908	106.04	0.2736	355	
120/20	121.6	19.8	141.4	26/2.44	7/1.90	15.5	494	44.69	0.2374	370	
120/70	122.0	71.3	193.3	12/3.6	7/3.60	18	915	98.45	0.2364	385	
125/30	127.9	29.8	157.7	30/2.33	7/2.33	16.3	593	56.50	0.2259		
150/25	148.9	24.2	173.1	26/2.7	7/2.10	17.1	604	54.08	0.1939	420	
170/40	171.8	40.1	211.9	30/2.7	7/2.70	18.9	796	75.29	0.1682	465	
185/30	183.8	29.8	213.6	26/3.0	7/2.33	19	745	64.92	0.1571	480	
210/35	209.1	34.1	243.2	26/3.2	7/2.49	20.3	848	73.47	0.1380	520	
210/50	212.1	49.5	261.6	30/3.00	7/3.00	21.0	982	92.12	0.1363	530	
230/30	230.9	29.8	260.7	24/3.50	7/2.33		873	71.74	0.1249	555	
240/40	243.0	39.5	282.5	26/3.45	7/2.68	21.9	985	84.78	0.1188	575	2.000