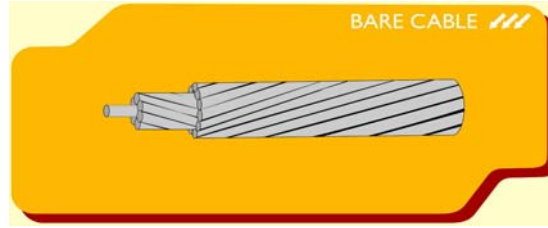


AAAC

All Aluminium Alloy Conductors



BARE CONDUCTOR

TECHNICAL DATA

SPEC STD Specification : SPLN 41-8, SNI 04-3558

° C - Ambient temperature : 35 ° C

APL Used for overhead transmission & distribution

∅ - Wind velocity : 0.6 m/sec

∞ - Continuous operating of conductor : 80

DIMENSIONAL , MECHANICAL & ELECTRICAL DATA

AREA	Area Actual	Number of Core & Dia.Wire	Overall Diameter approx.	Weight	Min. Calculated Breaking Load	Max. DC Resistance at. 20°C	Current Carrying Capacity*	Std. Length per reel
Nominal	(mm ²)	n / (mm)	(mm)	(kg / km)	(kgf)	(Ohm/km)	(A)	(M+-5%)
16	5.25	7/1.75	5.25	46	480	1.955	105	10.000
25		7/2.25	6.75	77	790	1.183	135	
35		7/2.5	7.50	95	980	0.958	170	
50		7/3.0	9.00	137	1410	0.665	210	
55		19/1.75	8.75	126	1300	0.724	205	
70		7/3.25	9.75	160	1655	0.567	235	
95		19/2.25	11.25	209	2150	0.438	255	5.000
100		19/2.50	12.50	258	2660	0.355	320	
120		7/4.25	12.75	275	2830	0.332	335	
150		19/2.75	13.75	313	3220	0.293	365	
185		19/3.25	16.25	407	4290	0.225	425	
240		37/2.25	15.75	437	4490	0.210	490	
300		19/4.0	17.50	503	5175	0.183	490	585
400		61/2.25	20.00	672	6910	0.139	585	
500		61/2.50	20.25	662	6805	0.137	670	810
630		61/3.0	22.50	829	8530	0.111	810	
800	61/3.25	27.00	1194	12290	0.077	810	930	
1000	91/3.0	29.25	1402	14420	0.066	930		
	41.25	91/3.25	33.00	1787	18330	0.052	1075	1.500
		91/3.75	35.75	2097	21515	0.044	1255	
		91/3.75	41.25	2792	28640	0.033	1450	1.000