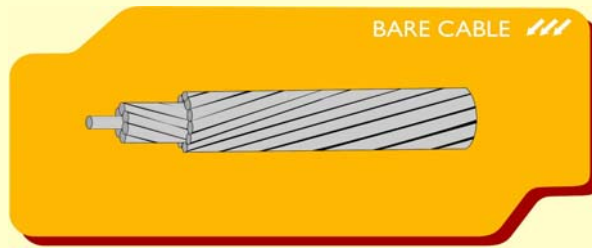


AAC

All Aluminium Stranded Conductors



BARE CONDUCTOR

TECHNICAL DATA

SPEC
STD

Specification : SPLN 41 - 6 , SNI 04 - 3557

° C

- Ambient temperature : 35 ° C

APL

Used for overhead power transmission purpose, medium tension, overhead system and distribution network

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- Wind velocity : 0.6 m/sec

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- Continuous operating of conductor : 8

DIMENSIONAL , MECHANICAL & ELECTRICAL DATA

AREA	Cross Sectional 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	16.84	7/1.75	5.25	46	310	1.7000	105	10.000
25	27.83	7/2.25	6.75	76	490	1.0290	145	
35	34.36	7/2.5	7.50	94	590	0.8332	165	
50	49.48	7/3.0	9.00	135	810	0.5786	205	
	45.70	19/1.75	8.75	126	835	0.6295	195	
55	58.07	7/3.25	9.75	159	932	0.4930	230	5.000
70	75.55	19/2.25	11.25	208	1320	0.3808	270	
95	93.27	19/2.50	12.50	257	1595	0.3084	305	
100	99.30	7/4.25	12.75	272	1540	0.2883	320	
120	112.85	19/2.75	13.75	310	1890	0.2549	345	
	157.62	19/3.25	16.25	434	2530	0.1825	430	
150	147.12	37/2.25	15.75	406	2435	0.1960	410	
	181.63		17.50	501	2940	0.1587	470	
200	189.85	19/3.75	18.75	377	3290	0.1371	510	3.000
240	238.76	19/4.0	20.00	657	3700	0.1205	555	
	242.54	61/2.25	20.25	670	4020	0.1191	560	
300	299.44	61/2.50	22.50	827	4850	0.0965	640	
400	431.18	61/3.0	27.00	1191	6675	0.0670	805	
500	506.04	61/3.25	29.25	1398	7700	0.0571	890	2.000
630	643.24	91/3.0	33.00	1782	9960	0.0450	1030	1.500
800	754.92	91/3.25	35.75	2091	11480	0.0384	1135	1.000
1000	1005.07	91/3.75	41.25	2784	14925	0.0288	1345	