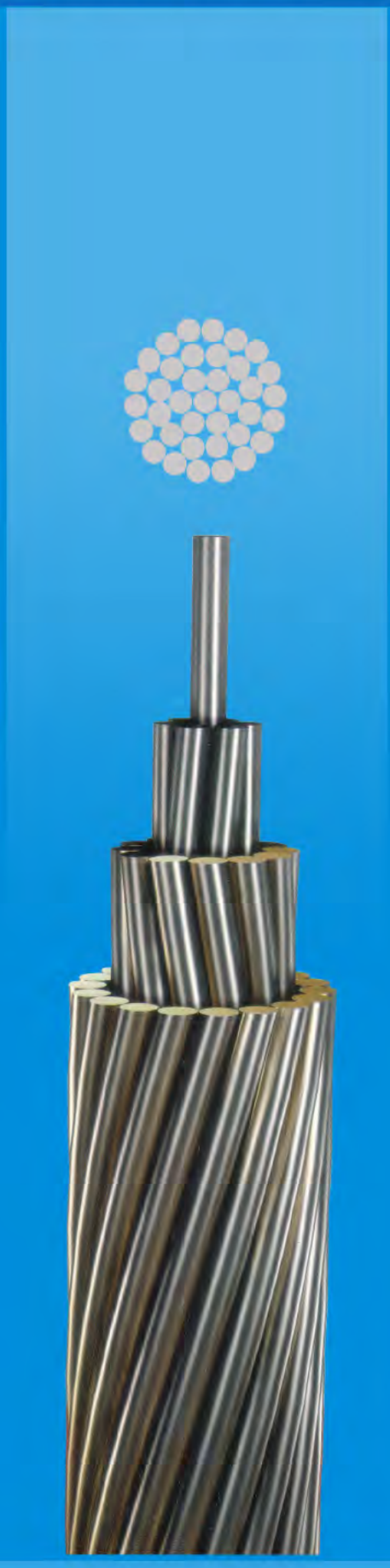
AAC

All Aluminum Conductor

PRIMA CABLE INDO

POWER AND TELECOMMUNICATION CABLES MANUFACTURING



BARE CONDUCTOR

Type of Conductor :

AAC EC 1350

Standard Specification :

SPLN 41 – 6 : 1981

Aplication :

Used for overhead distribution line

Size Range :

16 mm^2 – 1000 mm^2

Conductor Shape :

Stranded round

Identification of Core :

Single core conductor with outer layer, Right (Z) lay direction

Standard Packing :

Wooden drum or Combination Steel Wooden Drum

Special Feature on Request

LMKO SNI

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BARE CONDUCTOR

PRIMA CABLE INDO

Standard SPLN 41 – 6 : 1981 All Aluminum Conductor (**AAC**)

Cable Construction

Nominal Sectional Area	Number/Dia Of wire	Approx Overall Diameter	Approx Weight	Standard Length/drum
mm²	*n/mm*	*mm*	*Kg/Km*	*m*
16	7/1.75	5.25	46	2000
25	7/2.25	6.75	76	2000
35	7/2.50	7.5	94	2000
50	7/3.0	9.0	136	2000
50	19/1.75	8.75	127	2000
55	7/3.25	9.75	160	2000
70	19/2.25	11.25	208	2000
95	19/2.5	12.5	257	2000
120	19/2.75	13.75	311	2000
150	19/3.25	16.25	434	2000
150	37/2.25	15.75	405	2000
185	37/2.50	17.50	500	2000
240	61/2.25	20.25	669	2000
300	61/2.50	22.50	826	2000
400	61/3.0	27.00	1189	2000
500	61/3.25	29.25	1396	2000
630	91/3.0	33.0	1780	2000
800	91/3.25	35.75	2089	2000
1000	91/3.75	41.25	2781	1000

Cable Characteristic

Nominal Sectional Area	Number/Dia Of wire	Overall Diameter	DC Resistance Max. at 20° C	Breaking Load
mm²	*n/mm*	*mm*	*Ohm/Km*	*kN*
16	7/1.75	5.25	1.700	3.0
25	7/2.25	6.75	1.1029	4.8
35	7/2.50	7.5	0.8332	5.8
50	7/3.0	9.0	0.5786	7.9
50	19/1.75	8.75	0.6295	8.2
55	7/3.25	9.75	0.4930	9.2
70	19/2.25	11.25	0.3808	10.2
95	19/2.5	12.5	0.3084	15.3
120	19/2.75	13.75	0.2549	18.5
150	19/3.25	16.25	0.1825	24.8
150	37/2.25	15.75	0.1960	25.3
185	37/2.50	17.50	0.1587	30.5
240	61/2.25	20.25	0.1191	39.4
300	61/2.50	22.50	0.0965	47.6
400	61/3.0	27.00	0.0670	65.5
500	61/3.25	29.25	0.0571	75.5
630	91/3.0	33.0	0.0450	97.7
800	91/3.25	35.75	0.0384	112.6
1000	91/3.75	41.25	0.0288	146.4

Note :

Ambient temperatur : **35.°C**
Wind velocity : **0.5 m/sec**
Continuous operating temperatur of conductor : **80.°C**
Conductivity of AL : **61 % IACS**

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