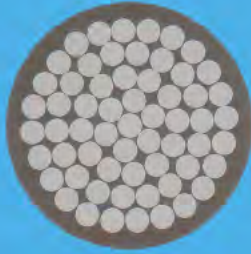


# AAAC-S

All Aluminum Alloy Conductor



## XLPE SHEATHED

### **Standard Specification :**

SPLN 41 – 10 : 1991

### **Type of Conductor :**

AAAC

### **Application :**

Used for overhead distribution Line.

### **Size Range :**

35 mm<sup>2</sup> – 300 mm<sup>2</sup>

### **Conductor Shape :**

Stranded round XLPE Sheathed

### **Identification of core :**

Single core conductor Black

### **Standard Packing :**

Wooden drum or Combination Steel Wooden Drum

### **Special Feature on Request**

# XLPE SHEATHED

Standard SPLN 41 – 10 : 1991

All Aluminum Alloy Conductor ( AAAC-S )

## Cable Construction

Nominal Sectional Area	Number/Dia of Wire	Conductor Diameter	Thickness of Insulation	Approx Overall Diameter	Approx Weight	Length/drum
mm <sup>2</sup>	n/mm	mm	mm	mm	Kg/Km	m
1 x 35	7/2.5	7.5	3.0	13.5	193	2000
1 x 50	19/1.75	8.75	3.0	14.75	246	2000
1 x 50	7/3	9	3.0	15	240	2000
1 x 55	7/3.25	9.75	3.0	15.75	280	2000
1 x 70	19/2.25	11.25	3.0	17.25	338	2000
1 x 95	19/2.5	12.5	3.0	18.5	403	2000
1 x 120	19/2.75	13.75	3.0	19.75	458	2000
1 x 150	19/3.25	16.25	3.0	22.25	615	2000
1 x 150	37/2.25	15.75	3.0	21.75	581	2000
1 x 185	37/2.50	17.50	3.0	23.5	693	2000
1 x 240	61/2.25	20.25	3.0	26.25	888	2000
1 x 300	61/2.50	22.50	3.0	28.5	1066	2000

## Cable Characteristic

Nominal Sectional Area	Number/Dia of Wire	Approx Overall Diameter	Rate Ultimate Strength	DC Resistance at 20°C	Permissible Current at Ambient Temperatur, Max	
					30° C	40° C
mm <sup>2</sup>	n/mm	mm	mm	mm	Kg/Km	m
1 x 35	7/2.5	13.5	980	0.958	167	150
1 x 50	19/1.75	14.75	1410	0.665	200	180
1 x 50	7/3	15	1410	0.665	200	180
1 x 55	7/3.25	15.75	1655	0.567	275	246
1 x 70	19/2.25	17.25	2150	0.438	275	246
1 x 95	19/2.5	18.5	2660	0.355	315	282
1 x 120	19/2.75	19.75	3220	0.293	356	319
1 x 150	19/3.25	22.25	4490	0.210	423	378
1 x 150	37/2.25	21.75	4490	0.210	423	378
1 x 185	37/2.50	23.5	5175	0.137	484	423
1 x 240	61/2.25	26.25	6910	0.139	586	523
1 x 300	61/2.50	28.5	8530	0.111	675	602