

**MEDIUM VOLTAGE OVERHEAD XLPE COVERED CONDUCTOR :**  
**AAAC-S - 6/10 KV**  
**(ALL ALUMINIUM ALLOY CONDUCTOR AND XLPE INSULATED)**  
**Specification : SPLN 41-10:1991**



## Feature

These medium voltage cables are applied for overhead transmission line.

## CONSTRUCTION

### Conductor

Round stranded all aluminium alloy conductor (AAAC).

### Insulation

Extruded Black Crosslink Polyethylene (XLPE), suitable for the operating temperature of the cable.

### Specification

SPLN 41-10:1991

**(other specification are available upon request)**

## PHYSICAL AND ELECTRICAL PROPERTIES

Nom. Cross section of cable	No./dia of wires	Insulation thickness	Approx. overall diameter	Approx. cable weight	Calculated breaking force	D.C. resistance at 20° C	Current carrying capacity		Standard weight per reel
							30°C	40°C	
mm <sup>2</sup>	n/m	mm	mm	kg/km	kg	ohm/km	A	A	kg
35	7/2.50	3.0	13.5	195	980	0.958	167	150	1,000
50	19/1.75	3.0	14.75	236	1,300	0.724	200	180	1,000
70	19/2.25	3.0	17.25	344	2,150	0.438	275	246	1,000
95	19/2.50	3.0	18.50	406	2,660	0.355	315	282	1,000
120	19/2.75	3.0	19.75	473	3,220	0.293	356	319	1,000
150	19/3.25	3.0	22.25	624	4,190	0.225	423	378	1,000
150	37/2.25	3.0	21.75	586	4,190	0.225	423	378	1,000
185	37/2.50	3.0	23.50	700	5,170	0.183	484	432	1,000
240	61/2.25	3.0	26.25	894	6,190	0.139	586	523	1,000