

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

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(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 ²	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