

GTP / DATA SHEET FOR AASC 120 mm² CONDUCTOR

SR No	PARTICULARS	UNIT	DATA
A	AAAC CONDUCTOR		
1	Specification according to which the conductor will be manufactured and tested.	-	EN 50182
2	Code Name	-	AASC 120 mm²
3	Size / Construction		Al. Alloy 19/2.8 mm
4	Outer Diameter of Conductor	mm	14.0
5	Total Sectional area of the conductor	mm ²	117.0
6	Minimum Rated Strength of Conductor	kN	34.51
7	Maximum DC resistance of conductor at 20 deg.C.	Ohm/km	0.2827
8	Standard Linear mass of conductor	Kg/km	321.2 (Nominal)
9	Lay ratio of conductor	-	
	(a) 1+6 Wire layer	-	Min.10 Max.16
	(b) 12 Wire layer	-	Min.10 Max.14
10	Direction of lay for outside layer	-	Right Hand
11	Greasing	-	N/A
12	PACKING	-	As per attached Drum Drawing
B	ALUMINIUM ALLOY STRANDS AFTER STRANDING		
1	Diameter	-	
	(a) Nominal	mm	2.80
	(b) Maximum	mm	2.83
	(c) Minimum	mm	2.77
2	Minimum Ultimate Tensile Strength	N/mm ²	295.0
3	Maximum Resistivity per Km at 20°C	Ohm-mm ² /km	32.53
4	Minimum elongation after fracture on 250mm G.L	%	3.5
5	Wrap Test	-	On 1XD