GTP / DATA SHEET FOR ASC 300 mm2 CONDUCTOR

SR No	PARTICULARS	UNIT	DATA
A	**AAC CONDUCTOR**		
1	Specification according to which the conductor will be manufactured and tested.	-	**EN 50182**
2	Code Name	-	**ASC 300 mm2**
3	Size / Construction		**Al. 61/2.5 mm**
4	Outer Diameter of Conductor	mm	22.50
5	Total Sectional area of the conductor	mm^2	299.4
6	Minimum Rated Strength of Conductor	kN	52.40
7	Maximum DC resistance of conductor at 20 deg.C.	Ohm/km	0.0966
8	Standard Linear mass of conductor	Kg/km	**828.5 (Nominal)**
9	Lay ratio of conductor	-	
	(a) 1+6 Wire layer	-	Min.10 Max.16
	(b) 12 Wire layer	-	Min.10 Max.16
	(c) 18 Wire layer	-	Min.10 Max.16
	(d) 24 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	**Particulars of Raw Materials :**		
1	Aluminium	-	
	(a) Minimum Purity of Aluminium	%	99.50%
	(b) Maximum Copper Content	%	0.05%
C	**ALUMINIUM STRANDS AFTER STRANDING**		
1	Diameter	-	
	(a) Nominal	mm	2.50
	(b) Maximum	mm	2.53
	(c) Minimum	mm	2.47
2	Minimum Ultimate Tensile Strength	N/mm^2	166.3
3	Maximum Resistivity per Km at 20°C	Ohm-mm^2/km	28.264
4	Wrap Test	-	On 1XD