GTP / DATA SHEET FOR ASC 25 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 25 mm2**
3	Size / Construction		**Al. 7/2.1 mm**
4	Outer Diameter of Conductor	mm	6.30
5	Total Sectional area of the conductor	mm^2	24.2
6	Minimum Rated Strength of Conductor	kN	4.36
7	Maximum DC resistance of conductor at 20 deg.C.	Ohm/km	1.1787
8	Standard Linear mass of conductor	Kg/km	**66.3 (Nominal)**
9	Lay ratio of conductor	-	
	(a) 1+6 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	2.10
	(b) Maximum	mm	2.13
	(c) Minimum	mm	2.07
2	Minimum Ultimate Tensile Strength	N/mm^2	171.0
3	Maximum Resistivity per Km at 20°C	Ohm-mm^2/km	28.264
4	Wrap Test	-	On 1XD