



Geslagen Aluminium Kabel 95mm²

Artikelcode: ALUGS95MM

conductor data sheet

material (abbreviation):	AL-1		
identification:	95		
standards:	DIN EN 50182 93-AL1	valid since:	11 / 2001

mechanical datas

conductor cross section:	93,3	mm ²	max. permissible strain:	-	N / mm ²
relation number of cross sections:	-		mean permissible strain (EDS):	-	N / mm ²
conductor diameter:	12,5	mm	continious strain:	-	N / mm ²
weight:	256,3	kg / km	thermal elongation coefficient:	23	10 ⁻⁶ /K
calculated breaking load:	16,32	kN	module of elasticity:	57	kN / mm ²
cross section related weight of length:	-	N/m*mm ²			

electrical datas

DC-resistance at 20°C :	0,3081	Ohm / km
conductivity at 20°C:	35,38	m / Ohm*mm ²
calculation factor of resistance:	0,01676	
coefficient of temperature:	0,004	1 / K
max. continious current load according to Webs:	340	A
up to 60 Hz by max. permissible conductor temperature ambient temperature 35°C; solar heating 900 W/m ² ; wind velocity 0,6 m/s		

datas of construction

number of covering wires:	19		number of core wires:	-	
diameter of covering wires:	2,5	mm	core wires diameter:	-	mm
number of covering layers:	2		core diameter:	-	mm
covering cross section:	-	mm ²	core cross section:	-	mm ²

additional datas:

angle of max. oscillation:	72,45	°
according to VDE 0210;12/85 up to 200 m fieldlength ; q = 0,53 kN/m ²		
max. permissible continious conductor temperature:	80	°C
note :	-	