



Geslagen Aluminium Kabel 70mm²

Artikelcode: ALUGS70MM

conductor data sheet

material (abbreviation):	E-AL		
identification:	66		
standards:	EN 50182 66-AL1	valid since:	11 / 2001

mechanical datas			
conductor cross section:	65,8	mm ²	max. permissible strain: - N /mm ²
relation number of cross sections:	-		mean permissible strain (EDS): - N /mm ²
conductor diameter:	10,5	mm	continious strain: - N /mm ²
weight:	180,9	kg / km	thermal elongation coefficient: 23 10 ⁻⁶ /K
calculated breaking load:	11,85	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 :	0,4367	Ohm / km
conductivity at 20°C:	35,38	m / Ohm*mm ²
calculation factor of resistance:	0,05357	
coefficient of temperature:	0,004	1 / K
max. continious current load according to Webs: 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	270	A

datas of construction			
number of covering wires:	19		number of core wires: -
diameter of covering wires:	2,1	mm	core wires diameter: - mm
number of covering layers:	-		core diameter: - mm
covering cross section:	-	mm ²	core cross section: - mm ²

additional datas:	
angle of max. oscillation:	75,12 °
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 :	-