400 mm² AL

Manufactured according to EN 50182		***400-AL1***	
Diameter of conductor	mm	**26,01 ± 0,26**	
Cross sectional area of conductor	mm^2	**400,14**	
Number of wires in:	szt.	**61**	
Diameter of wires	mm	**2,89 ± 0,03**	
Charasteristics of wires: *- tensile stress* *- resistivity, maximum at 20°C max.*	 N/mm^2 nΩm	 **170** **28,264**	
Equivalent coefficient of thermal linear expansion of the complete cable	$[K^{-1}]\times10^{-6}$	**23,0**	
Equivalent elastic modulus (final) of the complete cable	MPa	**58300**	
Calculated Resistance at 20 °C	Ω/km	**0,0723**	
Calculated Resistance at 25 °C	Ω/km	**0,0738**	
Calculated Resistance at 75 °C	Ω/km	**0,0883**	
Current carent capacity *- summer (t1=30°C, t2=80°C, wind speed 0,5m/s, solar absorbtion 1000W)* *- winter (t1=20°C, t2=80°C, wind speed 0,5m/s, solar absorbtion 770W)*	 A A	 **848** **963**	
Calculated Breaking Load, min	kN	**68,02**	
Weight of conductor	kg/km	**1107,1±22,1**	

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