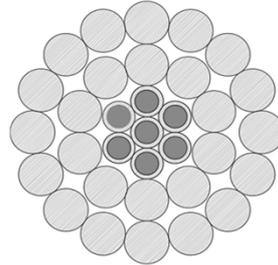


TECHNICAL DATA SHEET

CONDUCTOR: 242-AL1/ 39-A20SA
Description: LARL 280 HAWK



MECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	241.6
	Aluminium clad-steel	39.5
	Complete conductor	281.1
Diameter (mm)	Aluminium	3.44
	Aluminium clad-steel	2.68
Wires number	Aluminium	26
	Aluminium clad-steel	7
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	21.8
Weight (kg/km)	Aluminium	667.4
	Aluminium clad-steel	261.6
	Complete conductor	929.0
Ultimate Tensile Strength (kN)	Complete conductor	87.26
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	0.1132
Coefficient of linear expansion (x 10 ⁽⁻⁶⁾ /°C)	Complete conductor	19.6
Final Modulus of Elasticity (N/mm ²)	Complete conductor	70029
Ampacity (A)*	Complete conductor	650.8

According to Standards: UNE-EN 50182 - UNE-EN 60889 - UNE-EN 61232

* Air Temp.: 35 °C; Conductor Temp.: 80 °C; Wind Speed: 0.61 m/s; Solar radiation: 1035 W/m²

REV.	Date	Performed:
2	2020-06-27	CUNEXT COPPER INDUSTRIES, S.L. Quality Department