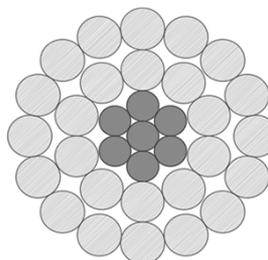


TECHNICAL DATA SHEET

CONDUCTOR: 242-AL1/ 39-ST1A

Description: LA 280 HAWK



M ECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	241.6
	Galvanized Steel	39.5
	Complete conductor	281.1
Diameter (mm)	Aluminium	3.44
	Galvanized Steel	2.68
Wires number	Aluminium	26
	Galvanized Steel	7
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	21.80
Weight (kg/km)	Aluminium	667.4
	Galvanized Steel	308.8
	Complete conductor	976.2
Ultimate Tensile Strength (kN)	Complete conductor	84.89
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	0.1195
Coefficient of linear expansion (x 10 ⁽⁻⁶⁾ /°C)	Complete conductor	18.9
Final Modulus of Elasticity (N/mm ²)	Complete conductor	73962
Ampacity (A)*	Complete conductor	633.5

According to Standards: EN-50182 - EN-60889 - EN-50189

* 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, SL. Quality Department