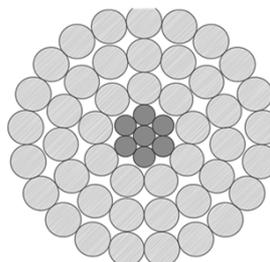


TECHNICAL DATA SHEET

CONDUCTOR: 804-AL1/ 56-ST1A

Description: LA 860 LAPWING



M ECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	804.2
	Galvanized Steel	55.6
	Complete conductor	859.7
Diameter (mm)	Aluminium	4.77
	Galvanized Steel	3.18
Wires number	Aluminium	45
	Galvanized Steel	7
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	38.16
Weight (kg/km)	Aluminium	2222.1
	Galvanized Steel	434.8
	Complete conductor	2656.9
Ultimate Tensile Strength (kN)	Complete conductor	189.82
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	0.0359
Coefficient of linear expansion (x 10 ⁽⁻⁶⁾ /°C)	Complete conductor	20.8
Final Modulus of Elasticity (N/mm ²)	Complete conductor	63730
Ampacity (A)*	Complete conductor	1325.6

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