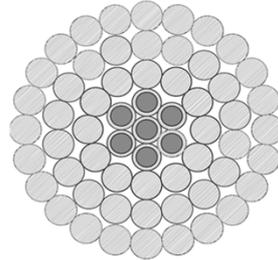


TECHNICAL DATA SHEET

CONDUCTOR: 402-AL1/ 52-A20SA
Description: LARL 455 CONDOR



MECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	402.3
	Aluminium clad-steel	52.2
	Complete conductor	454.5
Diameter (mm)	Aluminium	3.08
	Aluminium clad-steel	3.08
Wires number	Aluminium	54
	Aluminium clad-steel	7
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	27.7
Weight (kg/km)	Aluminium	1112.6
	Aluminium clad-steel	345.5
	Complete conductor	1458.1
Ultimate Tensile Strength (kN)	Complete conductor	128.97
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	0.0688
Coefficient of linear expansion (x 10 ⁽⁻⁶⁾ /°C)	Complete conductor	20.1
Final Modulus of Elasticity (N/mm ²)	Complete conductor	67279
Ampacity (A)*	Complete conductor	885.0

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