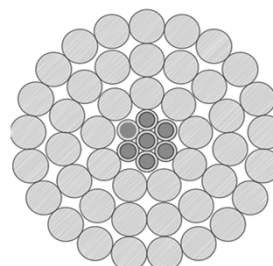


TECHNICAL DATA SHEET

CONDUCTOR: 565-AL1/ 39-A20SA
Description: LARL 600 BLUEJAY



MECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	565.5
	Aluminium clad-steel	38.9
	Complete conductor	604.4
Diameter (mm)	Aluminium	4.00
	Aluminium clad-steel	2.66
Wires number	Aluminium	45
	Aluminium clad-steel	7
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	32.0
Weight (kg/km)	Aluminium	1562.6
	Aluminium clad-steel	257.7
	Complete conductor	1820.3
Ultimate Tensile Strength (kN)	Complete conductor	137.16
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	0.0499
Coefficient of linear expansion (x 10 ⁻⁶)/°C)	Complete conductor	21.2
Final Modulus of Elasticity (N/mm ²)	Complete conductor	61887
Ampacity (A)*	Complete conductor	1076.4

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, SL. Quality Department