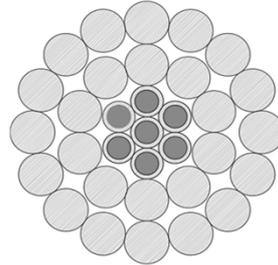


TECHNICAL DATA SHEET

CONDUCTOR: 191-AL1/31-A20SA
Description: Feral 120 26/7 ACS



MECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	191.2
	Aluminium clad-steel	31.1
	Complete conductor	222.3
Diameter (mm)	Aluminium	3.06
	Aluminium clad-steel	2.38
Wires number	Aluminium	26
	Aluminium clad-steel	7
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	19.4
Weight (kg/km)	Aluminium	528.1
	Aluminium clad-steel	206.3
	Complete conductor	734.4
Ultimate Tensile Strength (kN)	Complete conductor	68.92
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	0.1431
Coefficient of linear expansion (x 10 ⁻⁶)/°C)	Complete conductor	19.6
Final Modulus of Elasticity (N/mm ²)	Complete conductor	69986
Ampacity (A)*	Complete conductor	562.6

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