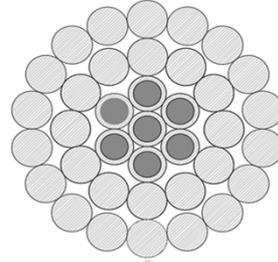


TECHNICAL DATA SHEET

CONDUCTOR: 119-AL1/ 28-A20SA
Description: LARL 145



MECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	119.3
	Aluminium clad-steel	27.8
	Complete conductor	147.1
Diameter (mm)	Aluminium	2.25
	Aluminium clad-steel	2.25
Wires number	Aluminium	30
	Aluminium clad-steel	7
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	15.8
Weight (kg/km)	Aluminium	329.7
	Aluminium clad-steel	184.4
	Complete conductor	514.1
Ultimate Tensile Strength (kN)	Complete conductor	54.87
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	0.2245
Coefficient of linear expansion (x 10 ⁻⁶)/°C)	Complete conductor	18.7
Final Modulus of Elasticity (N/mm ²)	Complete conductor	75243
Ampacity (A)*	Complete conductor	427.3

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