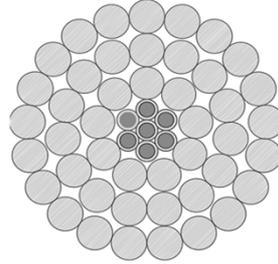


TECHNICAL DATA SHEET

CONDUCTOR: 404-AL1/ 28-A20SA
Description: LARL 432 TERN



MECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	403.8
	Aluminium clad-steel	27.8
	Complete conductor	431.6
Diameter (mm)	Aluminium	3.38
	Aluminium clad-steel	2.25
Wires number	Aluminium	45
	Aluminium clad-steel	7
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	27.0
Weight (kg/km)	Aluminium	1115.7
	Aluminium clad-steel	184.4
	Complete conductor	1300.1
Ultimate Tensile Strength (kN)	Complete conductor	100.02
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	0.0699
Coefficient of linear expansion (x 10 ⁻⁶)/°C)	Complete conductor	21.2
Final Modulus of Elasticity (N/mm ²)	Complete conductor	61900
Ampacity (A)*	Complete conductor	872.8

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