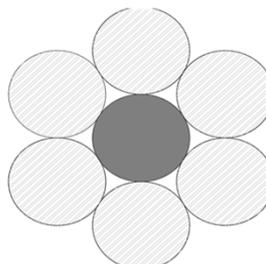


TECHNICAL DATA SHEET

CONDUCTOR: 27-AL1/ 4-ST1A

Description: LA 30



MECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	26.7
	Galvanized Steel	4.4
	Complete conductor	31.1
Diameter (mm)	Aluminium	2.38
	Galvanized Steel	2.38
Wires number	Aluminium	6
	Galvanized Steel	1
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	7.14
Weight (kg/km)	Aluminium	73.2
	Galvanized Steel	34.6
	Complete conductor	107.8
Ultimate Tensile Strength (kN)	Complete conductor	9.74
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	1.0736
Coefficient of linear expansion (x 10 ⁽⁻⁶⁾ /°C)	Complete conductor	18.6
Final Modulus of Elasticity (N/mm ²)	Complete conductor	76714
Ampacity (A)*	Complete conductor	162.0

According to Standards: EN-50182 - EN-60889 - EN-50189

* 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