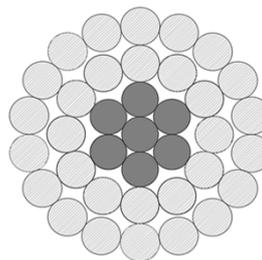


TECHNICAL DATA SHEET

CONDUCTOR: 94-AL1/ 22-ST1A

Description: LA 110



M ECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	94.2
	Galvanized Steel	22.0
	Complete conductor	116.2
Diameter (mm)	Aluminium	2.00
	Galvanized Steel	2.00
Wires number	Aluminium	30
	Galvanized Steel	7
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	14.00
Weight (kg/km)	Aluminium	260.5
	Galvanized Steel	172.0
	Complete conductor	432.5
Ultimate Tensile Strength (kN)	Complete conductor	43.17
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	0.3067
Coefficient of linear expansion (x 10 ⁽⁻⁶⁾ /°C)	Complete conductor	17.9
Final Modulus of Elasticity (N/mm ²)	Complete conductor	80541
Ampacity (A)*	Complete conductor	355.5

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