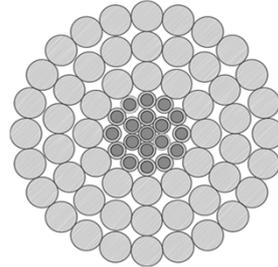


TECHNICAL DATA SHEET

CONDUCTOR: 727-AL1/92-A20SA
Description: LARL 820 PLOVER



MECHANICAL AND ELECTRICAL PROPERTIES

| PARAMETER | | VALUE |
|---|----------------------|-----------|
| Cross section (mm ²) | Aluminium | 726.9 |
| | Aluminium clad-steel | 91.8 |
| | Complete conductor | 818.7 |
| Diameter (mm) | Aluminium | 4.14 |
| | Aluminium clad-steel | 2.48 |
| Wires number | Aluminium | 54 |
| | Aluminium clad-steel | 19 |
| Lay direction | External layer | 'Z'-Right |
| Conductor Diameter (mm) | Total | 37.2 |
| Weight (kg/km) | Aluminium | 2009.3 |
| | Aluminium clad-steel | 609.6 |
| | Complete conductor | 2618.9 |
| Ultimate Tensile Strength (kN) | Complete conductor | 226.44 |
| DC Electrical resistance (20°C) cc (Ω/km) | Complete conductor | 0.0381 |
| Coefficient of linear expansion (x 10 ⁻⁶)/°C) | Complete conductor | 20.2 |
| Final Modulus of Elasticity (N/mm ²) | Complete conductor | 66995 |
| Ampacity (A)* | Complete conductor | 1279.0 |

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 |