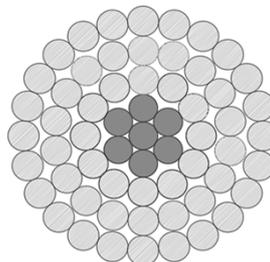


## TECHNICAL DATA SHEET

**CONDUCTOR:** 337-AL1/ 44-ST1A

**Description:** LA 380 GULL



**M ECHANICAL AND ELECTRICAL PROPERTIES**

| PARAMETER  |                    | VALUE     |
|--|--------------------|-----------|
| Cross section (mm <sup>2</sup> )                           | Aluminium          | 337.3     |
|  | Galvanized Steel   | 43.7      |
|  | Complete conductor | 381.0     |
| Diameter (mm)  | Aluminium          | 2.82      |
|  | Galvanized Steel   | 2.82      |
| Wires number   | Aluminium          | 54        |
|  | Galvanized Steel   | 7         |
| Lay direction  | External layer     | 'Z'-Right |
| Conductor Diameter (mm)                                    | Total              | 25.38     |
| Weight (kg/km)   | Aluminium          | 932.7     |
|  | Galvanized Steel   | 341.9     |
|  | Complete conductor | 1274.6    |
| Ultimate Tensile Strength (kN)                             | Complete conductor | 107.18    |
| DC Electrical resistance (20°C) cc (Ω/km)                  | Complete conductor | 0.0857    |
| Coefficient of linear expansion (x 10 <sup>(-6)</sup> /°C) | Complete conductor | 19.4      |
| Final Modulus of Elasticity (N/mm <sup>2</sup> )           | Complete conductor | 70492     |
| Ampacity (A)*  | Complete conductor | 776.1     |

**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/m<sup>2</sup>

| REV. | Date       | Performed:  |
|------|------------|---|
| 2    | 2020-06-27 | CUNEXT COPPER INDUSTRIES, SL.<br>Quality Department |