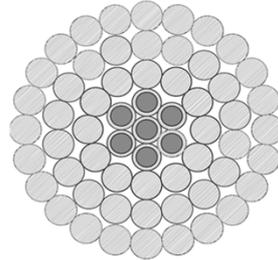


TECHNICAL DATA SHEET

CONDUCTOR: 485-AL1/ 63-A20SA
Description: LARL 545 CARDINAL



MECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	484.5
	Aluminium clad-steel	62.8
	Complete conductor	547.3
Diameter (mm)	Aluminium	3.38
	Aluminium clad-steel	3.38
Wires number	Aluminium	54
	Aluminium clad-steel	7
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	30.4
Weight (kg/km)	Aluminium	1339.9
	Aluminium clad-steel	416.1
	Complete conductor	1756.0
Ultimate Tensile Strength (kN)	Complete conductor	154.06
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	0.0572
Coefficient of linear expansion (x 10 ⁻⁶)/°C)	Complete conductor	20.1
Final Modulus of Elasticity (N/mm ²)	Complete conductor	67279
Ampacity (A)*	Complete conductor	993.7

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