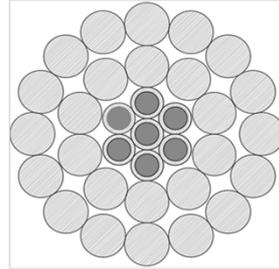


TECHNICAL DATA SHEET

CONDUCTOR: 38-AL1/ 13-A20SA
Description: FA 25 8/ 1 AW



MECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	38.0
	Aluminium clad-steel	13.3
	Complete conductor	51.3
Diameter (mm)	Aluminium	2.46
	Aluminium clad-steel	4.11
Wires number	Aluminium	8
	Aluminium clad-steel	1
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	9.0
Weight (kg/km)	Aluminium	104.5
	Aluminium clad-steel	87.4
	Complete conductor	191.9
Ultimate Tensile Strength (kN)	Complete conductor	20.85
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	0.6758
Coefficient of linear expansion (x 10 ⁽⁻⁶⁾ /°C)	Complete conductor	17.7
Final Modulus of Elasticity (N/mm ²)	Complete conductor	82677
Ampacity (A)*	Complete conductor	215.8

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