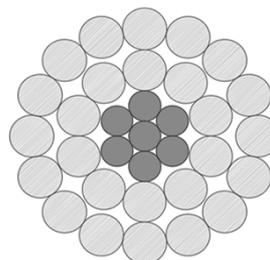


TECHNICAL DATA SHEET

CONDUCTOR: 203-AL1/ 32-ST1A

Description: ACSR 235 - Ibis



MECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	202.6
	Galvanized Steel	32.5
	Complete conductor	235.1
Diameter (mm)	Aluminium	3.15
	Galvanized Steel	2.43
Wires number	Aluminium	26
	Galvanized Steel	7
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	19.89
Weight (kg/km) **	Aluminium	559.6
	Galvanized Steel	253.9
	Complete conductor	820.0
Ultimate Tensile Strength (kN)	Complete conductor	70.44
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	0.1425
Coefficient of linear expansion (x 10 ⁽⁻⁶⁾ /°C)	Complete conductor	18.9
Final Modulus of Elasticity (N/mm ²)	Complete conductor	73643
Ampacity (A)*	Complete conductor	567.4

According to Standards: EN 50182 DMA-C34-120/N - EN 60889 - EN 50189

* Air Temp.: 35 °C; Conductor Temp.: 80 °C; Wind Speed: 0.61 m/s; Solar radiation: 1035 W/m²

** Greased conductor. Case 1; nominal grease weight (kg/km): 6.5

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