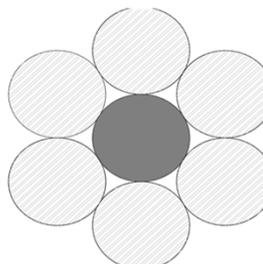


TECHNICAL DATA SHEET

CONDUCTOR: 26-AL1/ 4-ST1A
Description: ACSR 30 - Gopher



MECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium	26.2
	Galvanized Steel	4.4
	Complete conductor	30.6
Diameter (mm)	Aluminium	2.36
	Galvanized Steel	2.36
Wires number	Aluminium	6
	Galvanized Steel	1
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	7.08
Weight (kg/km) **	Aluminium	71.9
	Galvanized Steel	34.0
	Complete conductor	106.8
Ultimate Tensile Strength (kN)	Complete conductor	9.58
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	1.0919
Coefficient of linear expansion (x 10 ⁽⁻⁶⁾ /°C)	Complete conductor	18.6
Final Modulus of Elasticity (N/mm ²)	Complete conductor	76714
Ampacity (A)*	Complete conductor	160.4

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 4; nominal grease weight (kg/km): 0.8

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