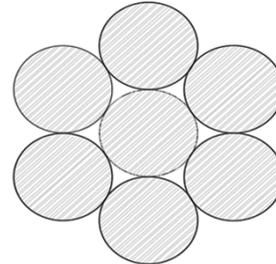


TECHNICAL DATA SHEET

CONDUCTOR: 55 - AL4
Description: Aster 54,6



MECHANICAL AND ELECTRICAL PROPERTIES

PARAMETER		VALUE
Cross section (mm ²)	Aluminium alloy	54.6
Diameter (mm)	Aluminium alloy	3.15
Wires number	Aluminium alloy	7
Lay direction	External layer	'Z'-Right
Conductor Diameter (mm)	Total	9.5
Weight (kg/km) **	Complete conductor	150.6
Ultimate Tensile Strength (kN)	Complete conductor	17.73
DC Electrical resistance (20°C) cc (Ω/km)	Complete conductor	0.6042
Coefficient of linear expansion (x 10 ⁽⁻⁶⁾ /°C)	Complete conductor	23.0
Final Modulus of Elasticity (N/mm ²)	Complete conductor	68000
Ampacity (A)*	Complete conductor	232.8

According to Standards: EN-50182 DMA-C34-125/N - EN-50183

* 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): 1.7

REV.	Date	Performed:
2	2020-07-08	CUNEXT COPPER INDUSTRIES, SL. Quality Department