EN AW-8130

ASTM 8130 · 8xxx · Al-Fe (low creep)

DESIGNATIONS

EN AW	ASTM / US	DIAMETERS	Σ, MPA
EN AW-8130	**8130**	**9.0; 9.5 mm**	**60–130**

APPLICATIONS

High-conductivity building cables, medium-voltage power cables.

ADVANTAGES

- High conductivity for the 8xxx series (up to 61.5% IACS)
- Good mechanical properties
- Stable performance in energy systems

TEMPER STATES

TEMPER	DIAMETER, MM	TENSILE STRENGTH, MPA	ELONGATION, MIN, %	RESISTIVITY, MAX, Ω·MM²/M	CONDUCTIVITY, MIN, % IACS
F	9.0; 9.5	85–130	10	0.02855	61.2
O	9.5	60–110	25	0.02850	61.4

CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %
Si	—	0.150
Fe	0.400	1.000
Cu	0.050	0.150
Mn	—	0.010
Mg	—	0.010
Zn	—	0.100
Al (Al, min)		**balance**
Other impurities — each		≤ 0.03%
Other impurities — total		≤ 0.10%

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