

EN AW-1070A

ASTM 1070 · 1xxx · Pure aluminium

DESIGNATIONS

EN AW EN AW-1070A	ASTM / US 1070	DIAMETERS 9.5 mm	Σ, MPA 95-115
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APPLICATIONS

High-purity cable cores — medium and high-voltage cables, specialty electrical applications.

ADVANTAGES

- High aluminium purity (Al ≥ 99.70%)
- Excellent electrical conductivity
- Stable mechanical properties
- Compatible with international standards

TEMPER STATES

TEMPER	DIAMETER, MM	TENSILE STRENGTH, MPA	ELONGATION, MIN, %	RESISTIVITY, MAX, Ω·MM ² /M	CONDUCTIVITY, MIN, % IACS
O	9.5	60-85	25	0.02810	61.5
H11	9.5	95-115	10	0.02830	61.2

CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %
Si	—	0.200
Fe	—	0.250
Cu	—	0.030
Mn	—	0.030
Mg	—	0.030
Zn	—	0.070
Ti	—	0.030
Ga	—	0.030
V	—	0.050

DESIGNATIONS	MIN %	MAX %
Al (Al, min)		≥ 99.70%
Other impurities — each		≤ 0.03%
Other impurities — total		≤ 0.10%

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Coiled Aluminium · Connected Future

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