

EN AW-1050A

ASTM 1050 · 1xxx · Pure aluminium

DESIGNATIONS

EN AW EN AW-1050A	ASTM / US 1050	DIAMETERS 9.5 mm	Σ, MPA 80-95
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APPLICATIONS

General-purpose cables, busbars, conductors for the electrical industry.

ADVANTAGES

- Good electrical conductivity
- Easy to process
- Cost-effective for general applications
- High ductility

TEMPER STATES

TEMPER	DIAMETER, MM	TENSILE STRENGTH, MPA	ELONGATION, MIN, %	RESISTIVITY, MAX, Ω·MM ² /M	CONDUCTIVITY, MIN, % IACS
F	9.5	80-95	20	0.02820	61.5
O	9.5	60-85	25	0.02810	61.5
H12	9.5	100-130	12	0.02850	60.8

CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %
Si	—	0.250
Fe	—	0.400
Cu	—	0.050
Mn	—	0.050
Mg	—	0.050
Zn	—	0.070
Ti	—	0.050
B	—	0.050

DESIGNATIONS	MIN %	MAX %
Al (Al, min)		≥ 99.50%
Other impurities — each		≤ 0.03%
Other impurities — total		≤ 0.10%

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