

EN AW-1350

ASTM 1350 · 1xxx · Pure aluminium

DESIGNATIONS

EN AW EN AW-1350	ASTM / US 1350	DIAMETERS 9.0; 9.5; 12; 15; 19; 23; 25 mm	Σ , MPA 60-150
----------------------------	--------------------------	---	---------------------------------

APPLICATIONS

Universal cable core — power cables for low, medium and high voltage, self-supporting insulated wires (ABC), bare overhead conductors.

ADVANTAGES

- Universal application across the energy sector
- Eight temper states for different scenarios
- Wide diameter range
- High electrical conductivity
- ASTM 1350 / EN AW-1350 standard

TEMPER STATES

TEMPER	DIAMETER, MM	TENSILE STRENGTH, MPA	ELONGATION, MIN, %	RESISTIVITY, MAX, $\Omega \cdot \text{MM}^2/\text{M}$	CONDUCTIVITY, MIN, % IACS
O	9.0; 9.5	60-85	30	0.02725	63.3
H11	9.0; 9.5; 12; 15; 19; 23; 25	80-95	20	0.02789	61.8
H12	9.5; 12; 15	95-110	15	0.02794	61.7
H13	9.5; 12; 15	105-120	10	0.02794	61.7
H14	9.5; 12	113-125	8	0.02801	61.5
T1	9.5; 12; 15	98-125	12	0.02800	61.6
T2	9.5; 12; 15	105-135	10	0.02810	61.4
T3	9.5	110-150	5	0.02820	61.1

CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %
--------------	-------	-------

Si	—	0.100
Fe	—	0.400
Cu	—	0.050
Mn	—	0.010
Mg	—	0.020
Cr	—	0.010
Zn	—	0.050
Ti	—	0.030
Ga	—	0.030
B	—	0.050
V	—	0.020
Al (Al, min)		≥ 99.50%
Other impurities — each		≤ 0.03%
Other impurities — total		≤ 0.10%