

EN AW-8030

ASTM 8030 · 8xxx · Al-Fe (low creep)

DESIGNATIONS

EN AW EN AW-8030	ASTM / US 8030	DIAMETERS 9.0; 9.5 mm	Σ , MPA 60-140
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APPLICATIONS

Building cables, medium-voltage cable shielding, XLPE-insulated building power wires.

ADVANTAGES

- Up to 70% weight reduction vs copper
- Stable resistance at elevated temperatures
- Flexibility — no risk of breakage under repeated bending
- Compatible with standard connector systems

TEMPER STATES

TEMPER	DIAMETER, MM	TENSILE STRENGTH, MPA	ELONGATION, MIN, %	RESISTIVITY, MAX, $\Omega \cdot \text{MM}^2/\text{M}$	CONDUCTIVITY, MIN, % IACS
F	9.0; 9.5	115-140	10	0.02855	60.4
O	9.5	60-110	25	0.02850	61

CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %
Si	—	0.100
Fe	0.300	0.800
Cu	0.150	0.300
Zn	—	0.050
B	0.001	0.040
Al (Al, min)		balance
Other impurities — each		$\leq 0.03\%$
Other impurities — total		$\leq 0.10\%$

Alusilk

PART OF ITS GROUP

Coiled Aluminium · Connected Future

HEADQUARTERS

Dubai Silicon Oasis, Dubai, UAE

+971 50 153 0202

info@alusilk.ae

UZBEKISTAN BRANCH

7 Abdulla Qodiriy St · Yunusobod district ·

Tashkent

+998 97 341 2222

alusilk.uz · alusilk.ae