

EN AW-8177

ASTM 8177 · 8xxx · Al-Fe (low creep)

DESIGNATIONS

EN AW EN AW-8177	ASTM / US 8177	DIAMETERS 9.5 mm	Σ, MPA 60-130
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APPLICATIONS

Building cables for residential and commercial construction.

ADVANTAGES

- Controlled impurity content
- Stable mechanical properties
- Suitable for standardised building systems

TEMPER STATES

TEMPER	DIAMETER, MM	TENSILE STRENGTH, MPA	ELONGATION, MIN, %	RESISTIVITY, MAX, Ω·MM ² /M	CONDUCTIVITY, MIN, % IACS
F	9.5	90-130	10	0.02860	61
O	9.5	60-110	25	0.02850	61.2

CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %
Si	—	0.100
Fe	0.250	0.450
Cu	—	0.040
Mn	—	0.010
Mg	—	0.010
Zn	—	0.050
B	—	0.040
Al (Al, min)		balance
Other impurities — each		≤ 0.03%
Other impurities — total		≤ 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