

EN AW-8076

ASTM 8076 · 8xxx · Al-Fe (low creep)

DESIGNATIONS

EN AW EN AW-8076	ASTM / US 8076	DIAMETERS 9.5 mm	Σ , MPA 60-145
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APPLICATIONS

Thin flexible cores for automotive and aerospace cables, rolling-stock cables.

ADVANTAGES

- High flexibility for thin multi-strand designs
- Good fatigue properties
- Used in automotive and aerospace industries
- Low cable weight

TEMPER STATES

TEMPER	DIAMETER, MM	TENSILE STRENGTH, MPA	ELONGATION, MIN, %	RESISTIVITY, MAX, $\Omega \cdot \text{MM}^2/\text{M}$	CONDUCTIVITY, MIN, % IACS
F	9.5	90-145	8	0.02890	60
O	9.5	60-110	20	0.02880	60.2

CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %
Si	—	0.400
Fe	0.600	0.900
Cu	—	0.040
Mn	—	0.040
Mg	0.080	0.220
Zn	—	0.050
Ti	—	0.030
Al (Al, min)		balance
Other impurities — each		$\leq 0.03\%$

DESIGNATIONS	MIN %	MAX %
Other impurities — total		≤ 0.10%

Alusilk

PART OF ITS GROUP

Coiled Aluminium · Connected Future

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