

# EN AW-8076

ASTM 8076 · 8xxx · Al-Fe (low creep)

## DESIGNATIONS

EN AW <b>EN AW-8076</b>	ASTM / US <b>8076</b>	DIAMETERS <b>9.5 mm</b>	Σ, MPA <b>60-145</b>
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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, Ω·MM <sup>2</sup> /M	CONDUCTIVITY, MIN, % IACS
<b>F</b>	9.5	90-145	8	0.02890	60
<b>O</b>	9.5	60-110	20	0.02880	60.2

## CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %
<b>Si</b>	—	0.400
<b>Fe</b>	0.600	0.900
<b>Cu</b>	—	0.040
<b>Mn</b>	—	0.040
<b>Mg</b>	0.080	0.220
<b>Zn</b>	—	0.050
<b>Ti</b>	—	0.030
<b>Al (Al, min)</b>		<b>balance</b>
Other impurities — each		≤ 0.03%

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

## Alusilk

PART OF ITS GROUP

Coiled Aluminium · Connected Future

## HEADQUARTERS

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