

# EN AW-8017

ASTM 8017 · 8xxx · Al-Fe (low creep)

## DESIGNATIONS

EN AW <b>EN AW-8017</b>	ASTM / US <b>8017</b>	DIAMETERS <b>9.0; 9.5 mm</b>	$\Sigma$ , MPA <b>100-160</b>
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## APPLICATIONS

Building cables, building power cables, residential electrical wiring.

## ADVANTAGES

- Low creep at terminations
- Flexibility and ductility
- High conductivity for the 8xxx series (up to 61.8% IACS)
- ASTM 8017 standard

## TEMPER STATES

TEMPER	DIAMETER, MM	TENSILE STRENGTH, MPA	ELONGATION, MIN, %	RESISTIVITY, MAX, $\Omega \cdot \text{MM}^2/\text{M}$	CONDUCTIVITY, MIN, % IACS
<b>F</b>	9.0; 9.5	100-160	10	0.02855	61
<b>O</b>	9.5	100-140	20	0.02850	61.2

## CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %
<b>Si</b>	—	0.100
<b>Fe</b>	0.550	0.800
<b>Cu</b>	0.100	0.200
<b>Mg</b>	0.010	0.050
<b>Zn</b>	—	0.050
<b>B</b>	0.001	0.040
<b>Al (Al, min)</b>		<b>balance</b>
Other impurities — each		≤ 0.03%
Other impurities — total		≤ 0.10%

**Alusilk**

PART OF ITS GROUP

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