

# EN AW-8176

ASTM 8176 · 8xxx · Al-Fe (low creep)

## DESIGNATIONS

EN AW <b>EN AW-8176</b>	ASTM / US <b>8176</b>	DIAMETERS <b>9.0; 9.5 mm</b>	Σ, MPA <b>60-140</b>
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## APPLICATIONS

Building cables, installation wires for residential and commercial buildings.

## ADVANTAGES

- Low creep at terminations
- Flexibility — easy installation
- Meets UL and IEC requirements
- Cost-effective alternative to copper

## TEMPER STATES

TEMPER	DIAMETER, MM	TENSILE STRENGTH, MPA	ELONGATION, MIN, %	RESISTIVITY, MAX, Ω·MM <sup>2</sup> /M	CONDUCTIVITY, MIN, % IACS
<b>F</b>	9.0; 9.5	115-140	10	0.02855	60.4
<b>O</b>	9.5	60-110	30	0.02860	61

## CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %	
<b>Si</b>		0.030	0.150
<b>Fe</b>		0.400	1.000
<b>Cu</b>		—	0.040
<b>Mn</b>		—	0.030
<b>Zn</b>		—	0.100
<b>Ga</b>		—	0.030
<b>V</b>		—	0.020
<b>Al (Al, min)</b>			<b>balance</b>
Other impurities — each			≤ 0.05%

DESIGNATIONS	MIN %	MAX %
Other impurities — total		≤ 0.15%

## Alusilk

PART OF ITS GROUP

Coiled Aluminium · Connected Future

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