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## Astrolite<sup>®</sup> ATI<sup>®</sup> 718Plus<sup>®</sup>

## Astrolite 5964

### Product Description:

Astrolite<sup>®</sup> ATI<sup>®</sup>718Plus<sup>®</sup> (also known as 718Plus<sup>®</sup>) is a precipitation hardened nickel-base superalloy that exhibits a combination of superior high temperature properties and good fabricability. This alloy is designed to have the high temperature capability and thermal stability of Waspaloy<sup>®</sup> while retaining the processing characteristics of 718 alloy.

Astrolite<sup>®</sup> 718 UltraGrade<sup>™</sup> surface finish on the spooled wire promotes smooth feeding through welding equipment which may result in reduced tip wear in contact tips.

Astrolite<sup>®</sup> 718 UltraGrade<sup>™</sup> wire cleaning processes insure very clean wire surface for reliable welding performance.

### Specifications:

AMS5964, UNS N07818

### Nominal Composition (% by weight) & Mechanical properties:

Nickel	Balance
Chrome	17 – 21
Cobalt	8 - 10
Iron	8 - 10
Niobium	5.2 – 5.8
Molybdenum	2.5 – 3.1
Aluminum	1.2 – 1.7
Other interstitials	Unreported

Tensile (ksi)	165
Density (LBs/Cubic inch)	0.298

### Available Product Forms and Sizes, Packaging & Identification:

Straight Lengths	Spooled
AMS-2813 – Standard packaging AMS-2814 – Premium packaging <i>available upon request</i> Vapor barrier packaging <i>available upon request</i> . <i>1 LB and 5 LB bags available.</i>	Precision layer wound, with controlled cast and helix AMS-2813 – standard packaging AMS-2814 – Premium, vapor barrier packaging <i>available upon request</i> .
36" (914 mm) – Standard length. Other lengths <i>available on request</i> . <b>Flag tagged</b> on one end per AMS-2816. <i>Tagging of both ends available upon request.</i> <b>Color coding</b> to AMS-2819 or customer-specific specification is <i>available upon request</i> .	12" – Standard spool diameter <i>Other spool diameters; 4" &amp; 8" diameter spools available on request.</i>
<b>Diameters:</b> 0.020", 0.025", 0.030", 0.035", 0.040", 0.045", 0.062", 0.078", 0.093", 0.125"	<i>Upon request special diameters and shapes may be available.</i>

### DFARS Compliant

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