



## Nexus SG2

### Copper coated solid mild steel wire for Semi-automatic and Robotic MIG/MAG welding applications

Mild steel MIG/MAG wires for welding mild and medium tensile Structural steels and plates using CO<sub>2</sub> and Mixed gases.

#### International Standards

<b>BS EN 440:1995</b>	<b>AWS A5.18- 2001</b>
<b>G3Si1</b>	<b>ER 70S - 6</b>

#### Typical All-Weld Metal Analysis (wt%)

<b>C</b>	<b>Si</b>	<b>Mn</b>	<b>S</b>	<b>P</b>
<b>0.09</b>	<b>0.60</b>	<b>1.17</b>	<b>0.014</b>	<b>0.012</b>

#### Typical All-Weld Metal Mechanical Properties

<b>Yield Strength N/mm<sup>2</sup></b>	<b>Tensile Strength N/mm<sup>2</sup></b>	<b>Elongation %</b>	<b>Impact Strength -20°C (J)</b>
<b>452</b>	<b>545</b>	<b>24</b>	<b>115</b>

#### Welding Positions

<b>All Positions including vertical down</b>
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#### Materials

<b>All mild and medium carbon steels with a toughness requirements down to -20°C</b>
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#### Packaging

<b>Size mm</b>	<b>0.6</b>	<b>0.8</b>	<b>1.0</b>	<b>1.2</b>	<b>1.6</b>
<b>Plastic spools 5 kg</b>	✓	✓	-	-	-
<b>Plastic spools 15 kg</b>	-	✓	✓	✓	✓
<b>Wire basket 15 kg</b>	-	✓	✓	✓	✓
<b>250 kg Round Bulk Packs</b>	-	✓	✓	✓	✓

#### Additional Information

<b>CE Certified</b>	<b>Constructional products directive (CPD)</b>
<b>Certification</b>	<b>BS EN 10204:2004 Type 2.2</b>
<b>Material safety data sheet</b>	<b>MSDS 01</b>
<b>BOC Shielding Gas MIG</b>	<b>Argoshield Light (&lt;3 mm)/Universal (3-10 mm)/Heavy (&gt;10 mm)</b>
<b>Related Nexus Products</b>	<b>Nexus E6013/E7024 and Nexus A15/A18</b>