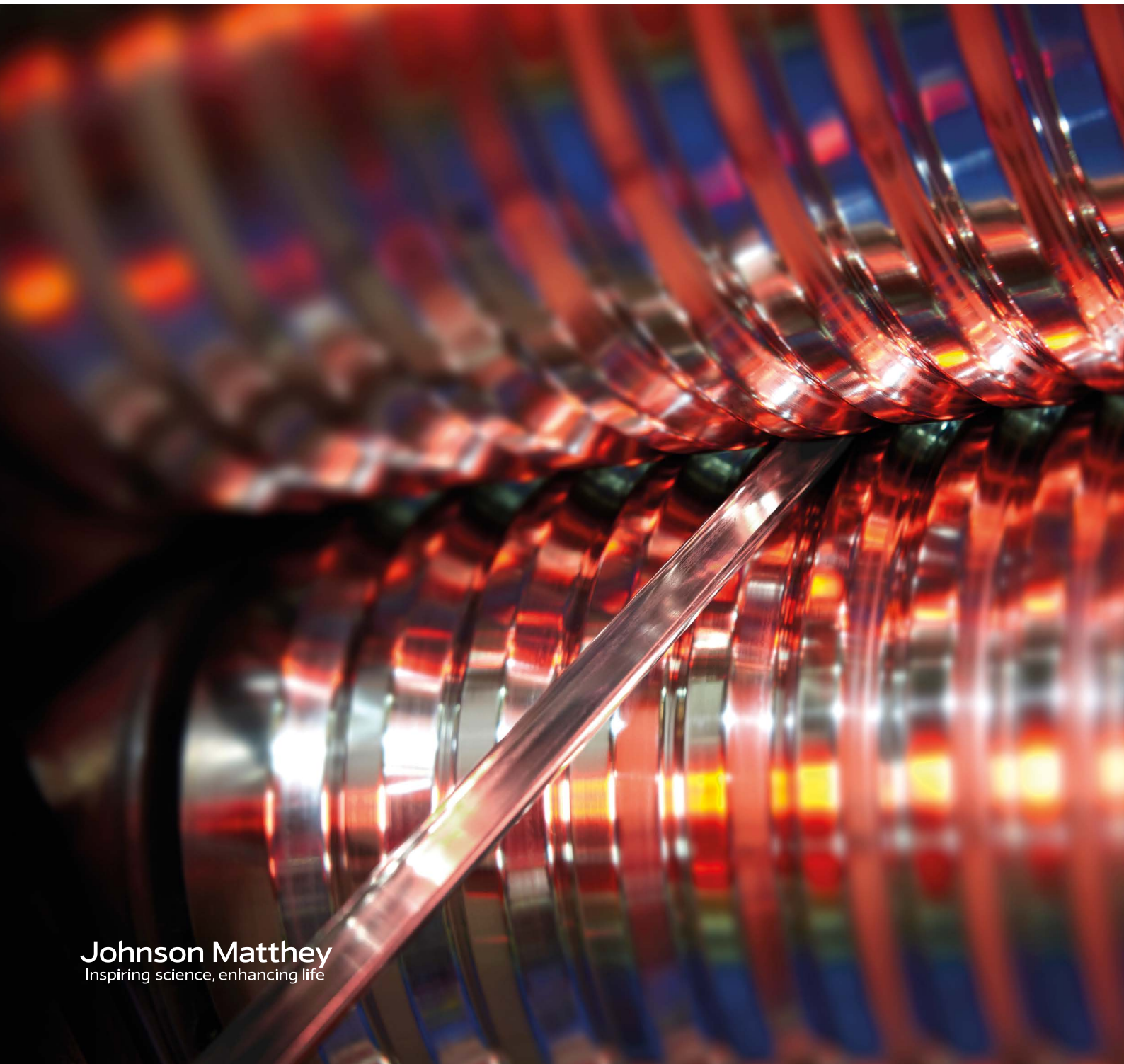
JM

Platinum group metal wire



Johnson Matthey
Inspiring science, enhancing life

Platinum group metal wire

A combination of experience and continuous innovation yields quality, reliability and precision. That is why our wires are used in critical applications such as airbag initiators, gas sensors and turbine blade casting.

Our range of wires can be manufactured to meet the exact needs of your application. We offer wire as straight lengths, wound on reels or as precision cut pins in a selection of pure metals and alloys.

State-of-the-art quality control allows us to offer you reliable solutions that come with complete peace of mind. Our exceptional customer service connects you directly with the expertise you require.

Our research and development is always focussed on technologies that provide greater value for our customers, whether it is improving product lifetime, enhancing performance or reducing costs. This has most recently been demonstrated by the development of a new lower cost material for the turbine blade casting industry.

Pure metals

Platinum	Up to 99.998%
Palladium	Up to 99.99%
Iridium	Up to 99.9%
Rhodium	Up to 99.95%
Gold	Up to 99.995%

Typical diameters and lengths

Our wire can be engineered to your desired thickness with typical diameters of 0.15-12.5mm for rhodium and iridium and 0.025-12.5mm for most alloys. Ultrafine wire can also be engineered on request in the range of 0.010 – 0.025mm.

Typical alloys

- 5-40% Rhodium/Platinum
- 5-30% Iridium/Platinum
- 8% Tungsten/Platinum
- Platinum/Zirconia (ZGS Platinum)
- 10% Rhodium/Platinum/Zirconia
- Silver/Palladium (various available)
- 15% Molybdenum/Palladium
- Gold/Copper/Silver (JM625 alloy)

A variety of regalohm alloys are available with specific resistance in the range of 6-62 μΩ cm details of which can be found on our website.

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