



More speed.
For every type of wire.
With **blac**.

blac technology:

WIRE COATING REDEFINED

bedra
intelligent alloys

Innovation with system: **blac** technology

With the **blac** technology (**bedra lattice amplified coating**), a new milestone has been achieved in spark erosion. The innovative coating increases productivity and efficiency without the need to adapt existing cutting technologies.

■ Technology leap for maximum efficiency

blac combines a microstructured surface with lattice-embedded, semiconducting materials. The result: each spark discharge is coupled into the workpiece more efficiently, allowing a larger portion of the available energy to be converted into spark erosion removal.

■ More performance - without compromise

Users benefit from significantly higher cutting performance - both in the main cut and in the first three trim cuts - while maintaining the usual high level of process reliability. In addition, **blac** contributes to energy efficiency in production.

■ New possibilities for various applications

Thanks to precise bedra engineering, **blac** can be applied to different product categories.



Sustainability as a driver of innovation

In addition to productivity, energy efficiency is a key aspect of **blac** technology. By making better use of spark discharges, users consume noticeably less electricity per manufactured workpiece - a tangible contribution to CO₂ reduction and sustainability strategies in industrial manufacturing.

Introducing the first product innovations with **blac** technology: **topas® blac G** und **blacsspark®**.

topas® blac G

| | |
|-------------------------|---------------------------------|
| Core | CuZn37 |
| Coating | blac |
| Color | Gold bronze |
| Tensile strength | 900 MPa |
| Elongation | >1 % |
| Diameter | 0.20 / 0.25 / 0.30 mm |
| Spool types | bedra8, bedra16, K250, P10, P15 |

blacsspark®

| | |
|-------------------------|----------------------|
| Core | CuZn37 |
| Coating | blac |
| Color | Chestnut brown |
| Tensile strength | 900 MPa |
| Elongation | >1 % |
| Diameter | 0.25 / 0.30 mm |
| Spool types | K160, K200, P10, P15 |

As of 08/2025.

The content of this brochure is protected by copyright.

Copyright Berkenhoff GmbH.

Errors and technical changes excepted.



Berkenhoff GmbH
Rehmühle 1
D-35745 Herborn

Tel.: +49 2772 5002 0
Fax: +49 2772 5002 155
info@bedra.com
www.bedra.com

bedra
intelligent alloys