



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** **l**attice **a**mplified **c**oating), 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 **blacspark®**.



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

blacspark®

Core	CuZn37
Coating	blac
Color	Chestnut brown
Tensile strength	850 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