bedra
intelligent alloys

Wire solutions for the electronics industry



High-quality electronic wire from bedra can be found worldwide in passive or electronic components. The trend towards miniaturization in electronic components is placing ever higher demands on the materials used and the processing technologies selected. With our decades of experience and our areas of research and development, it is precisely here that we can demonstrate our leadership in the market. Our extensive knowledge of materials and processing ensures our technological lead and enables us to develop new solutions for the end product. Against this background, we are true specialists in the production of square, rectangular, and octagonal profiles, and flat and round wires in smooth and knurled designs. The fact that we meet the tightest tolerances in dimension, diagonal and edge radius, as well as exact knurling, precision, and process stability is impressive proof of our expertise. At the same time, it reflects the increased demands placed on state-of-the-art wire processing. Our fulfillment of optimum straightness requirements with customer-specific parameters and precise layer winding round out our self-imposed quality standards.

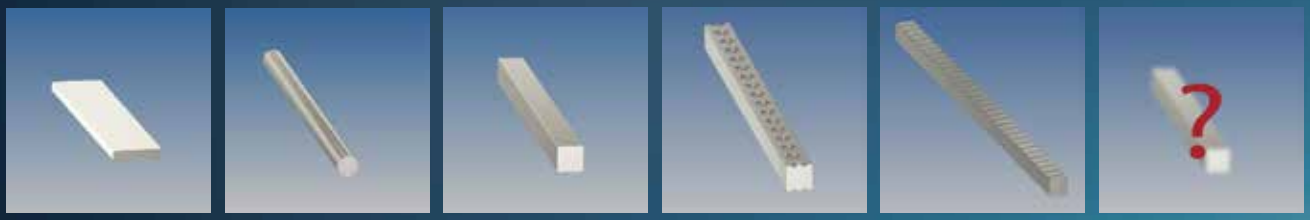
Materials

Tin bronze alloys
Brass alloys
Nickel silver alloys
Copper materials
Highly conductive alloys
Spinodal alloys
Special alloys

Markets

Automotive
Industrial electronics
Telecommunications
Data technology
Consumer electronics
Medical Technology
Defense Technology
Aerospace technology
Light technology
Construction
etc.

Types



Flat wire | Round wire | Profile wire square | Profile wire octopus | Profile wire knurled | Special

		Dimension range	Tightest tolerance	Edge radius	Knurling
Square wire		0.300-1.500 mm	± 0.005 mm	Smallest radius 0.03 mm Increasing depending on cross section	Standard: 0.3 & 0.5 mm, others on request
	Coating	All dimensions			
	Reflow	All dimensions			
Flat wire		Thickness: 0.050-0.800 mm Special up to 2.45 mm Width: 0.300-4.000 mm	Thickness: ± 0.002 mm Width: ± 0.010 mm	Smallest radius 0.03 mm Increasing depending on cross section	Standard: 0.3 & 0.5 mm, others on request
	Coating	Thickness: 0.300-2.450 mm Width: 0.400-4.000 mm			
	Reflow	Thickness: 0.300-0.800 mm Width: 0.400-3.000 mm			
Round wire		0.400-3.000 mm	± 0.005 mm		Standard: 0.3|0.5|0.6|0.8 mm, others on request
	Coating	All dimensions			
	Reflow	< 2.000 mm			

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Applications

Connectors

Markets

Automotive
Industry
Telecommunications
general electronics applications
etc.

Types and Materials

Brass, bronze, copper, nickel silver
Square 0.30 - 1.50 mm on coils
with customized coatings



Bobbins

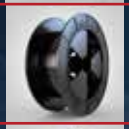
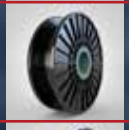
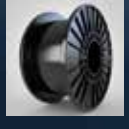
Markets

Automotive
Telecommunications
industry
Consumer electronics

Types and Materials

Brass, bronze, copper, nickel silver
Square 0.30 - 1.50 mm on spools
with customized coatings
Knurled, Octopus



	Type	Material	Filling weight	Flange Ø	Width	Drilling Ø
	DWF500	Plastic	Max. 150 kg	500 mm	350 mm	127 mm
	SD300	Plastic	Max. 15 kg	300 mm	103 mm	51.5 mm
	SH390	Plastic	Max. 20 kg	390 mm	89 mm	305 mm
	VM400 90-100	Plastic	Max. 20 kg	400 mm	100 mm	90 mm
	VM400 90-186	Plastic	Max. 45 kg	400 mm	185 mm	90 mm
	VM400 127-186	Plastic	Max. 45 kg	400 mm	185 mm	127 mm