

— Wire solutions for the electronics industry —



High-quality electronic wire from bedra can be found world-wide 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 are 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  
Curable 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	Kleinster Radius 0,03 mm Querschnittsabhängig ansteigend	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		

# Applications

## Connectors



### Markets

Automotive  
Industry  
Telecommunications  
general electronics applications  
etc.



### Types and Materials

Brass, bronze, copper, nickel silver  
Square 0,30 - 1,50mm on coils  
with customized coatings



## Bobbins



### Markets



Automotive  
Telecommunications  
industry  
Consumer electronics



### Types and Materials

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



	Type	Material	Filling weight	Flange Ø Height	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

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