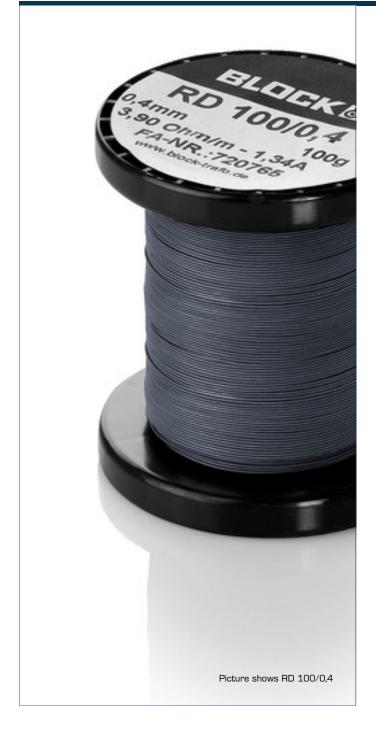
RD 50/0,1 - no longer available



Advantages

Constant in specific resistance

Influence of the temperature or inherent heating on the resistance value practically insignificant (max. 0.8 % at 100 °C temperature rise)

Firmly adhering surface oxide coating withstands any temperature change and protects against further oxidation under continuous load

Very easy to machine thanks to softness and malleability

Suitable for soft soldering, hard soldering or welding

Applications

Resistance wire for the production of technical resistances, shunts and for general laboratory needs.

Approvals





Resistance wire

RD 50/0,1 - no longer available

	Туре	RD 50/0,1 - no longer		Туре	RD 50/0,1 - no longer
լ+		available	30		available
Electrical data	Operating data			Operating data	
	Current intensity for wire temperature (100°C) Current intensity for wire temperature (200°C) Current intensity for wire temperature (300°C) Resistance Specific electrical resistance	0.237 A		Highest wire temperature Mean linear coefficient of thermal expansion between 20 - 100 °C Mean temperature coefficient of resistance at 20 °C	to 600 °C
		0.396 A 0.537 A			13.5x10-6
		62.400 Ω/m 0.49 (Ωx mm²)/m			0.00004-0.00008
		0.43 (IIX IIIIII-1/III		Melting point	1220-1270 °C
				Measures and weights	
				Wire diameter	0.10 mm
				Weight	0.05 kg
				Notes	
				Notes	The specified wire temperatures apply for blank Isotan wires, especially unclamped in still air. Oxidized wires have a higher radiated temperature. The current load precisely required for a defined temperature can ultimately only be explicitly determined for the relations and requirements on the customer side for the specified intended use.



