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TECHNICAL SPECIFICATION & PRODUCT DESCRIPTION

Resistance heating wire KANTHAL D ∅ 0,30 mm Mass: 100 g

We offer a soft resistance heating wire from a renowned Swedish manufacturer. Offered wire has a diameter of **∅ 0,30 mm**. Due to its outstanding performance, it is an excellent choice for any professional who relies on perfect quality, reliability and convenience of use. This flexible, well-laying, resistant to surrounding conditions and convenient to use product is ideal for even the most advanced production projects and any assembly, service or hobby work.

Wire technical parameters:

Nominal diameter of conductive wire	**∅ 0,30 mm**
Nominal wire cross-sectional area CSA	**0,07 mm²**
Conductor wire size in SWG system	**SWG 31**
Manufacturer part number KANTHAL MPN	**KANTHAL-D-0.30/100**
Manufacturer ID code - product number	**030531**
Resistance heating wire base material	**FeCrAl alloy**
Wire resistance at T = 20°C	**19,1 Ω/m**
Heating surface of the wire	**9,42 cm²/m**
Approximated net. weight of the wire	**0,51 g/m**
Minimum tensile strength of the wire	**670 MPa**
Minimum wire elongation at break	**23 %**
Resistance to friction, vibration, oscillation	**YES**
Corrosion resistance - stainless	**YES**
Resistance to current overload	**YES**
Resistance to thermal shocks, embers	**YES**
Resistance to flame propagation	**YES – Product is nonflammable**
Authorized food contact approval	**YES – Product is non-toxic**
Method of electrical assembly and connecting	**Crimping, Twisting, Welding**
Operating temperature of resistance wire	**-100°C ÷ +1300°C**
Minimum temperature of wire melting	**> +1500°C**
Quantity of product in package - net. weight	**100 grams**
Approximate length of wire in package	**195,3 meters**
Resistance heating wire packaging system	**Evenly wound on the spool**
Packaging material and dimensions - spools	**Polypropylene ∅ = 50 mm / H = 22 mm**
Packaging logistical security	**Thermo - shrinkable POF film cover**

We guarantee constant availability of items in stock and immediate shipping!

KANTHAL D soft resistance heating wires are oryginal products manufactured by KANTHAL AB in Sweden, guaranteeing not only the world's highest quality and the latest environmentally friendly technologies, but also providing comfort of use and savings resulting from reliability.

This type of heating resistance wire has one of the highest thermal indexes **D**, which guarantees a operating temperature in a very wide range from **-100°C** to **+1300°C**. Their uniform design, Swedish quality and precise workmanship ensure a constant diameter, unchanged along the entire length, exceptional flexibility, overload resistance and excellent thermal, resistive and mechanical stability. These wires are extremely durable and perfectly form to the shape specified by the customer's needs. This product is available in **18** of the most popular diameters from ∅ **0,30 mm** / SWG 31 to ∅ **1,50 mm** / SWG 17.

The wires are made of KANTHAL's patented **FeCrAl** alloy, made of the highest purity components, which guarantees the constancy of the ferritic structure for each alloy batch and their excellent and time-constant electrical parameters. By having a homogeneous, smooth coating and therefore a very low friction coefficient of the wire surface, they have excellent mechanical abrasion resistance, are extremely resistant to vibration and oscillation and are resistant to all kinds of current or thermal overloads. Each wire diameter has a strict rated resistance per meter, which greatly facilitates design and implementation work. These wires, due to their excellent quality and durability, are recommended for industrial applications with the compulsion of continuous operation. They are dedicated to all applications that place very strict strength requirements, and in particular for performing all kinds of heating elements for foil sealers, extruders, injection molding machines, packaging machines, shrink blowers for heat shrink sleeves, furnaces, ovens, heating equipment, soldering lines, soldering irons, crucibles, heaters, heat guns, dryers, polystyrene foam cutting and forming equipment, de-icing equipment and installations, irons, cookers, ceramic heating plates, ironing mangles, steam generators, e-cigarettes and many others. The constant resistance parameter allows them to be used in making high-power precision wire resistors, specialized potentiometers and shunts or series regulators, and equivalent loads used in all kinds of professional electronic devices or measurement and laboratory technology. A very wide thermal range allows them to be used in the course of any research, prototyping or laboratory work, in cold and heating chambers and all equipment operating at extremely variable temperatures, as well as for any service and hobby work.

Heating resistance wires are available in packs containing **100 grams** or **250 grams** of product. They are evenly and consistently wound on convenient to use and fully recyclable plastic spools, with outer diameter of ∅ **= 50 mm** with an internal guide hole ∅ **= 20 mm** and packed in a sealed cover made of transparent shrink film, which allows you to quickly find the wire you need to use on the shelf in the warehouse, protects against oxidation and patina, dust or getting dirty during storage and always guarantees the final Recipient the highest quality of the wires when removed from the package.

The wires have been made using **ISO 9001** and **ISO 14001** standards, are approved for use in **EU** markets and comply with the requirements of the environmental directives **RoHS-3** (2015/863/EU), **RoHS-2** (2011/65/EU), **RoHS** (2002/95/EU) and also comply with the requirements of **REACH** (Regulation 1907/2006) meeting regularly updated ECHA restrictions.

KANTHAL D resistance heating wires can be used both for professional heating elements and precision high-power resistance components, exposed to very high overloads and continuous operation in extremely heavy conditions and for simple hobby work. They are an excellent choice for those who value quality, reliability and comfort.

BQ CABLE

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RoHS
ISO14001
LgY 300/500V · H05V-K
1,00mm² AWG 17
100
LgY 300/500V · H05V-K
2,50mm² AWG 14
50
LgY 300/500V · H05V-K
0,35mm² AWG 22
200