



**DINCEL**  
ELEKTROMEKANİK

Turkey's reliable  
**resistance** manufacturer.

For over 20 years, our core motivation has been knowledge, innovation, and investments in the latest technologies and materials in order to develop higher-performance products that meet customer needs.

[dincelrezistans.com](http://dincelrezistans.com)



# 3 Continents, 15 Different Countries...

Since its establishment, Dinçel has exported high-quality cable resistances to dozens of clients across 15 different countries on 3 continents.

In Europe: Spain, France, Serbia, and Kosovo; In the Middle East: Egypt, Saudi Arabia, Iran, Kuwait, Palestine, and Israel; In North Africa: Morocco, Tunisia, and Algeria; In Africa: South Africa; And in Asia: countries such as Indonesia have chosen our products.



At Dinçel, we view this success across different regions as a testament to the importance we place on quality and customer satisfaction.

In the upcoming period, we will continue to strengthen our presence in the global market, delivering our high-quality products to new countries and reinforcing the trust of the clients we serve as their solution partner.

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## Since 1991...

In 1991, Mustafa Dinçay founded Dinçel Electromechanics and began producing resistance cables with a limited budget but a grand vision. His goal was not only to manufacture but also to solve the problems of quality-focused companies worldwide and to prove the excellence of Turkish quality on a global scale. Today, for 34 years, we have continued production with the same discipline and passion, serving industry giants and proudly representing our country.

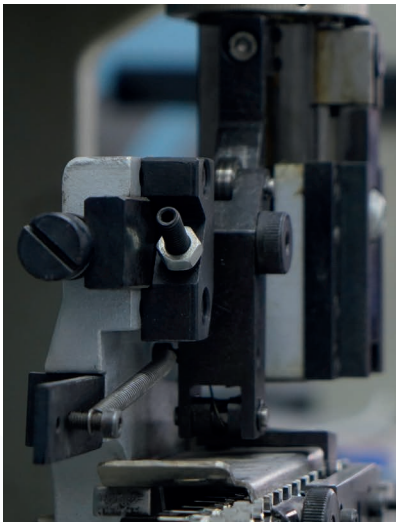
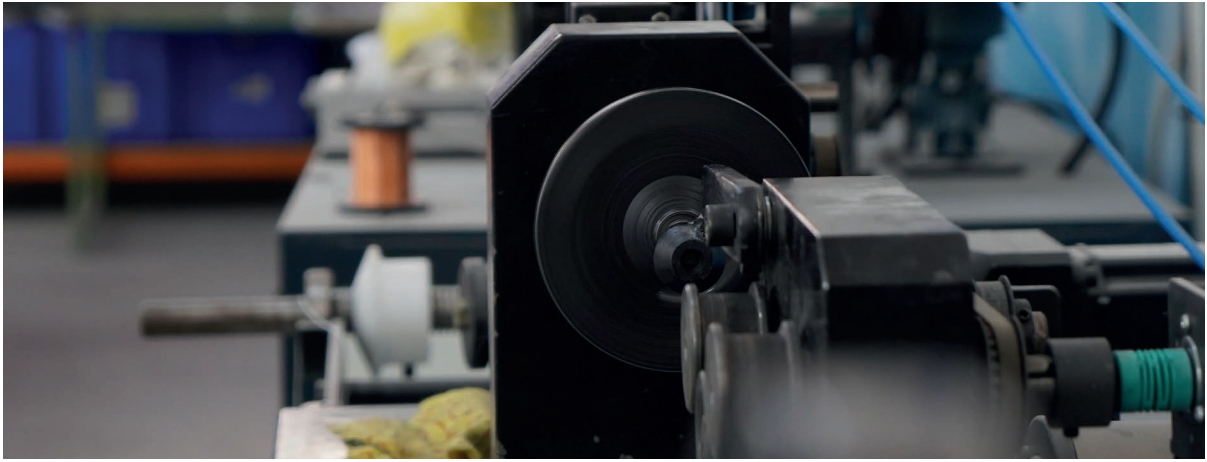
For over 20 years, our core motivation has been knowledge, innovation, and investments in the latest technologies and materials in order to develop higher-performance products that meet customer needs.

**The flexible silicone heaters we design and manufacture owe their high efficiency to three main features:**

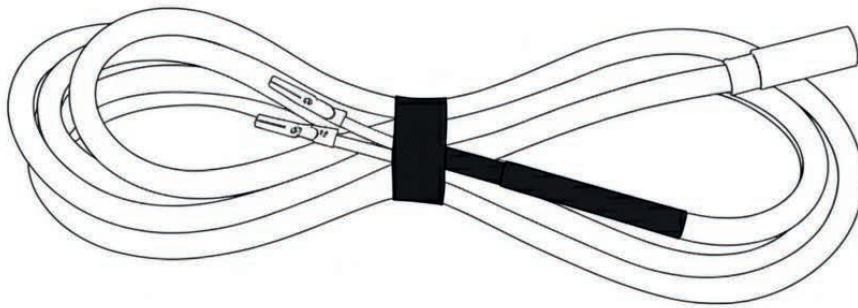
They are flexible and can be applied in almost any shape for optimal heat and energy efficiency.

They are easy to install, allowing for quick setup even in tight spaces with limited working area.

Considering the required investment and costs for heating in most cases, our Resistance Cables stand out as the most economical option.



# Drainage Resistors

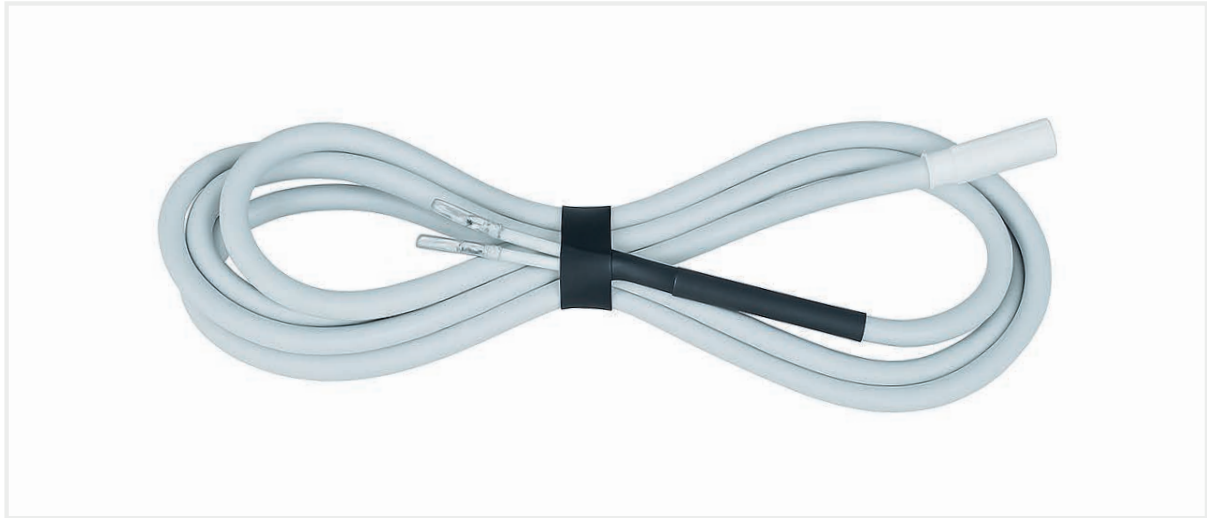


- ⌚ Non-Braided Ellipse Drainage
- ⌚ Non-Braided Round Drainage
- ⌚ Braided Ellipse Drainage
- ⌚ Braided Round Drainage
- ⌚ Drain Resistance with Plug
- ⌚ Drainage Resistance Thermostat
- ⌚ Non-Braided Ellipse Drainage 2
- ⌚ Non-Braided Ellipse Drainage 3





## Non-Braided **Ellipse** Drainage



Dinçel Drainage Resistance cables are designed to be installed inside pipes to drain water from thawing cooling equipment installed in cold rooms.

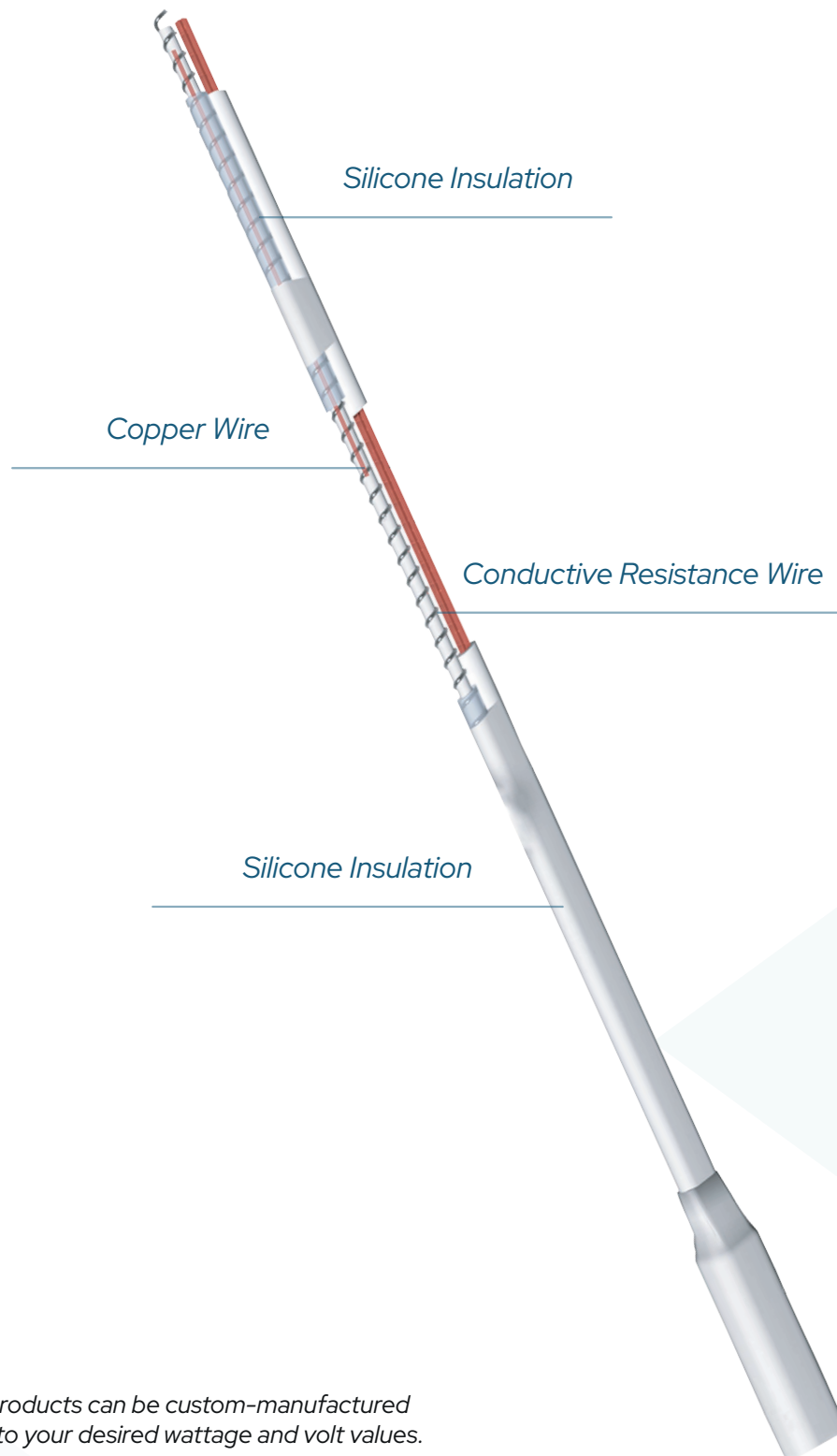
### Areas of Use

It's used to prevent water from freezing inside drain pipes. In industrial cooling systems, it's wrapped around the edges of the fan to thaw the radiator. It can be used in supermarket refrigerators, air conditioners, aquariums, and any other type of anti-freeze solution.

| Technical Specifications            |                                                       |
|-------------------------------------|-------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)           | 1.1                                                   |
| HEATING WIRE                        | CHROME-NICKEL OR COPPER-NICKEL                        |
| ISITMA TEL ÇAPI (MM)                | 0,05-0,08                                             |
| HEATING WIRE DIAMETER (MM)          | 5X7                                                   |
| COATING                             | SILICONE ELASTOMER                                    |
| TEMPERATURES WHICH CABLE WITHSTANDS | -60 -180                                              |
| CABLE LENGTH RANGE (M)              | 1-20                                                  |
| POWER (W)                           | 15-50                                                 |
| MAXIMUM VOLTAGE                     | 500                                                   |
| TOLERANCE VALUES                    | STRENGTH +/-10%<br>LENGTH +/-1%<br>DIMENSION +/-0.2mm |

# Non-Braided **Ellipse Drainage**

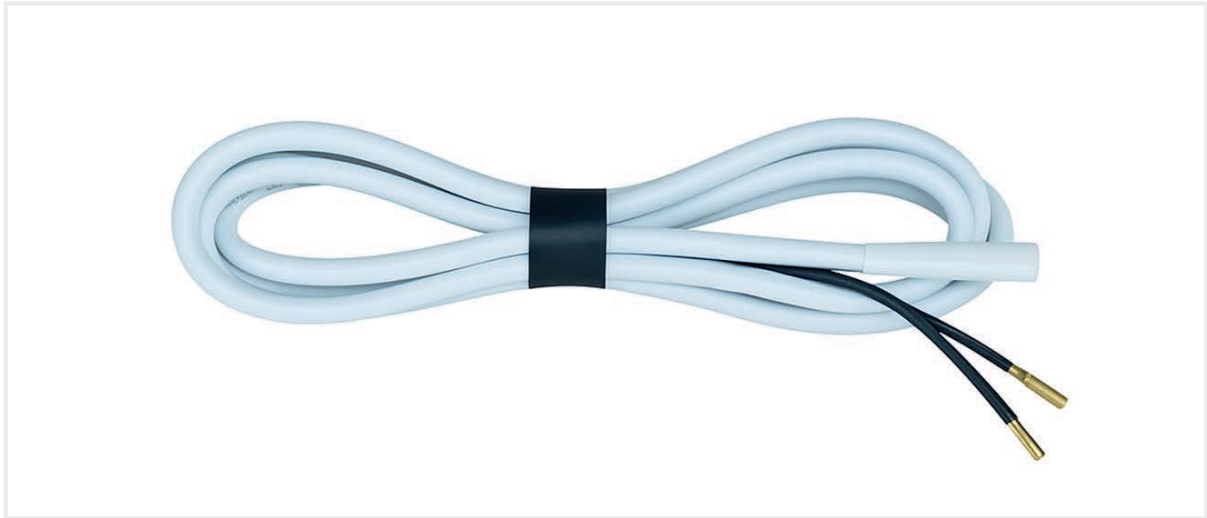
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*All of our products can be custom-manufactured according to your desired wattage and volt values.*



# Non-Braided Round Drainage



Dinçel Drainage Resistance cables are designed to be installed inside pipes to drain water from thawing cooling equipment installed in cold rooms.

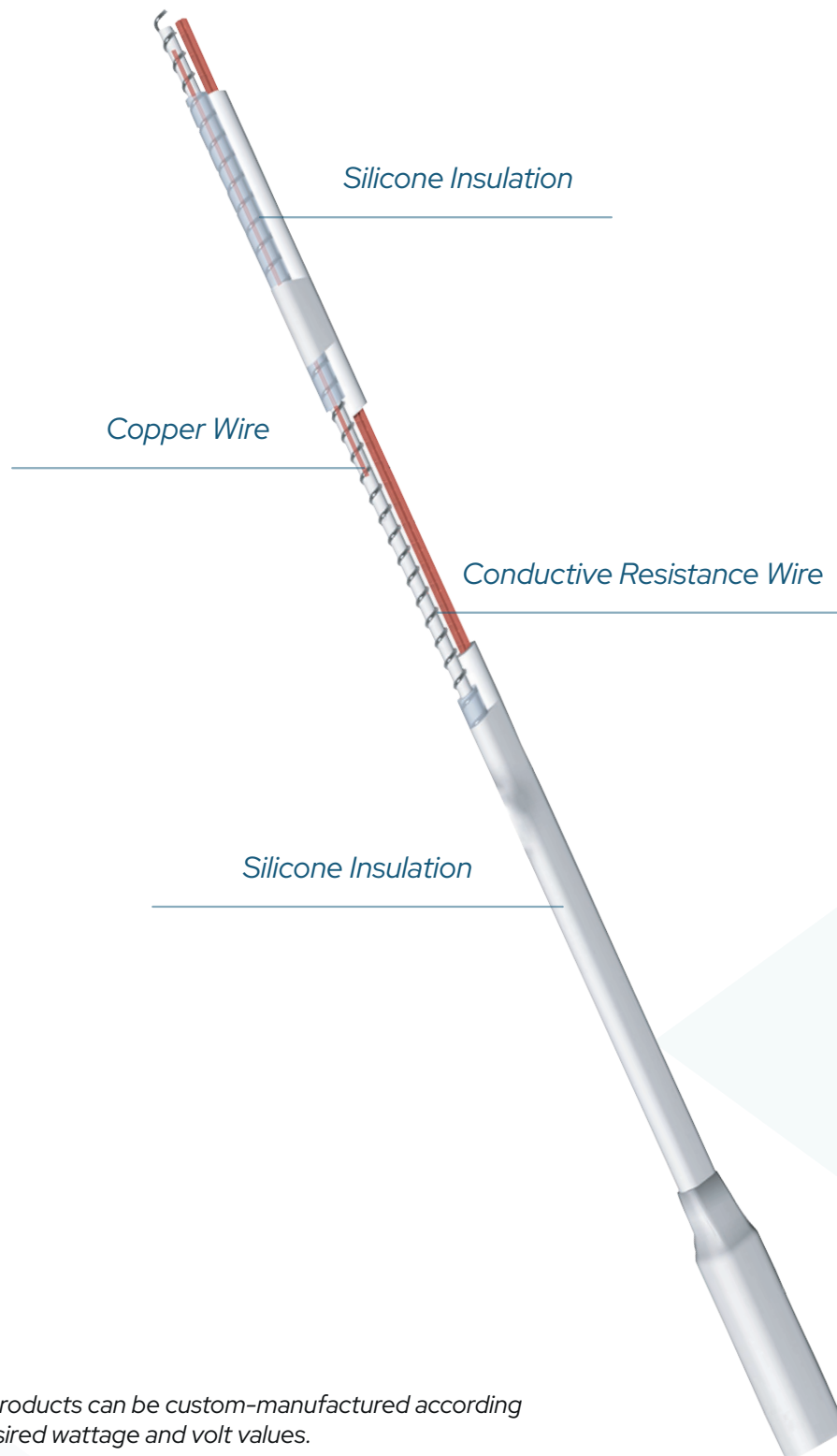
## Areas of Use

It's used to prevent water from freezing in drain lines. In industrial cooling systems, it's wrapped around the fan edges to thaw the radiator. It can be used in supermarket refrigerators, air conditioners, aquariums, and any other type of anti-freeze solution.

| Technical Specifications        |                                                       |
|---------------------------------|-------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                   |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                        |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                             |
| CABLE DIAMETER (MM)             | 5X5                                                   |
| COATING                         | SILICONE ELASTOMER                                    |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                              |
| CABLE LENGTH RANGE (M)          | 1-20                                                  |
| POWER (W)                       | 15-50                                                 |
| MAXIMUM VOLTAGE                 | 500                                                   |
| TOLERANCE VALUES                | STRENGTH +/-10%<br>LENGTH +/-1%<br>DIMENSION +/-0.2mm |

# Non-Braided **Round Drainage**

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*All of our products can be custom-manufactured according to your desired wattage and volt values.*



# Braided **Ellipse** Drainage



Dinçel Drainage Resistance cables are designed to be installed inside pipes to drain water from thawing cooling equipment installed in cold rooms.

## Areas of Use

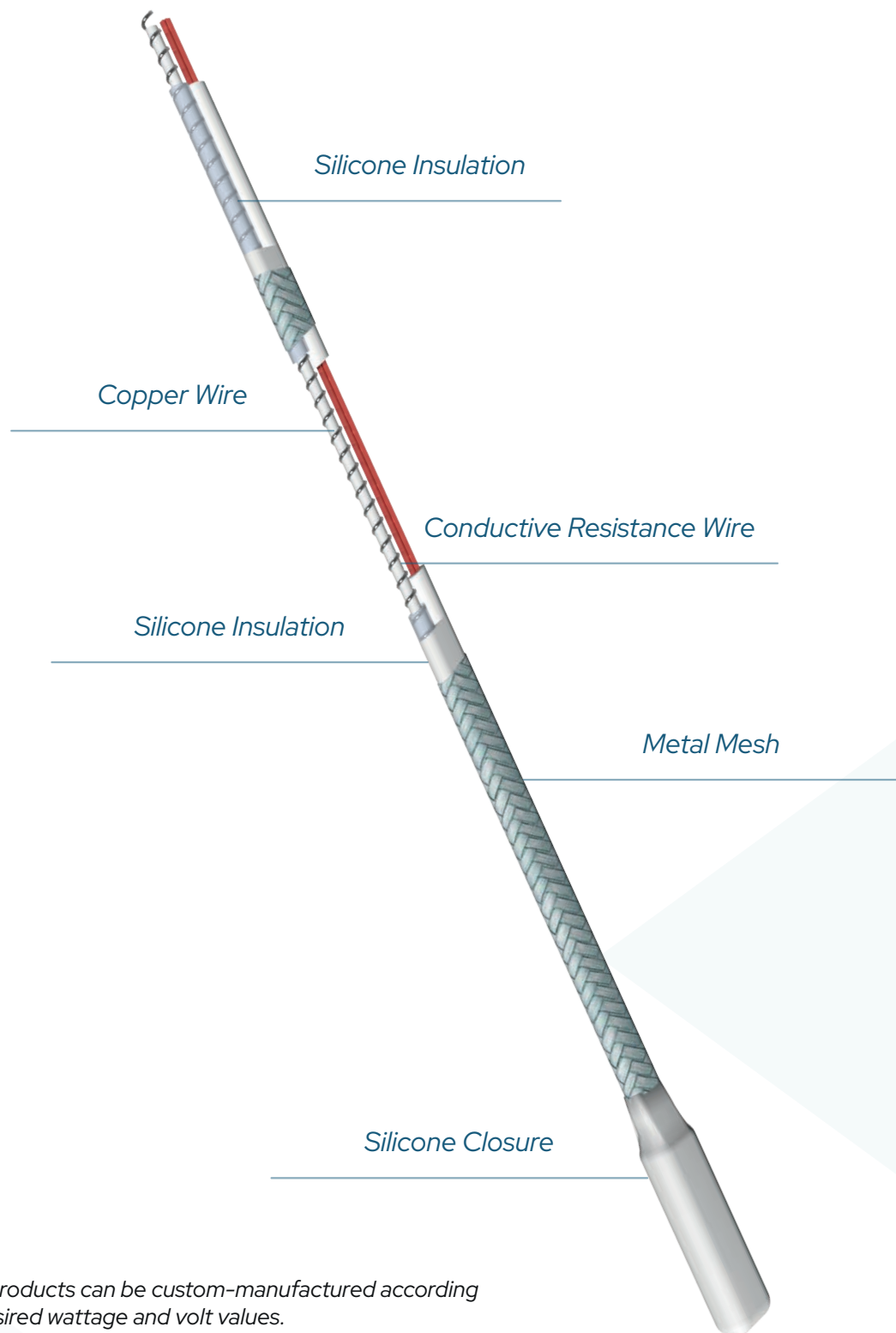
It is used to prevent water from freezing in drain lines. In industrial cooling systems, it is wrapped around the edges of the fan to thaw the radiator. It can be used in supermarket refrigerators, air conditioners, aquariums, and other freeze-proofing applications.

| Technical Specifications        |                                                       |
|---------------------------------|-------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                   |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                        |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                             |
| CABLE DIAMETER (MM)             | 5X7                                                   |
| SCOPEA                          | SILICONE ELASTOMER                                    |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                              |
| CABLE LENGTH RANGE (M)          | 1-20                                                  |
| POWER (W)                       | 15-50                                                 |
| MAXIMUM VOLTAGE                 | 500                                                   |
| TOLERANCE VALUES                | STRENGTH +/-10%<br>LENGTH +/-1%<br>DIMENSION +/-0.2mm |



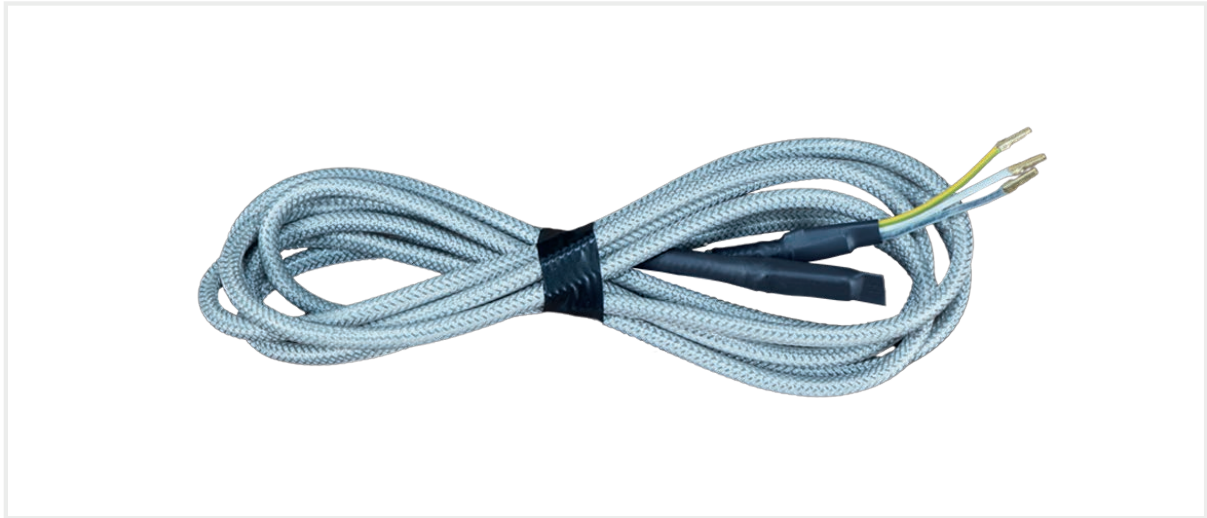
# Braided **Ellipse Drainage**

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*All of our products can be custom-manufactured according to your desired wattage and volt values.*

## Braided Round Drainage



Dinçel Drainage Resistance cables are designed to be installed inside pipes to drain water from thawing cooling equipment installed in cold rooms. The braided structure reduces the cable's flexibility, making it more resistant to impacts.

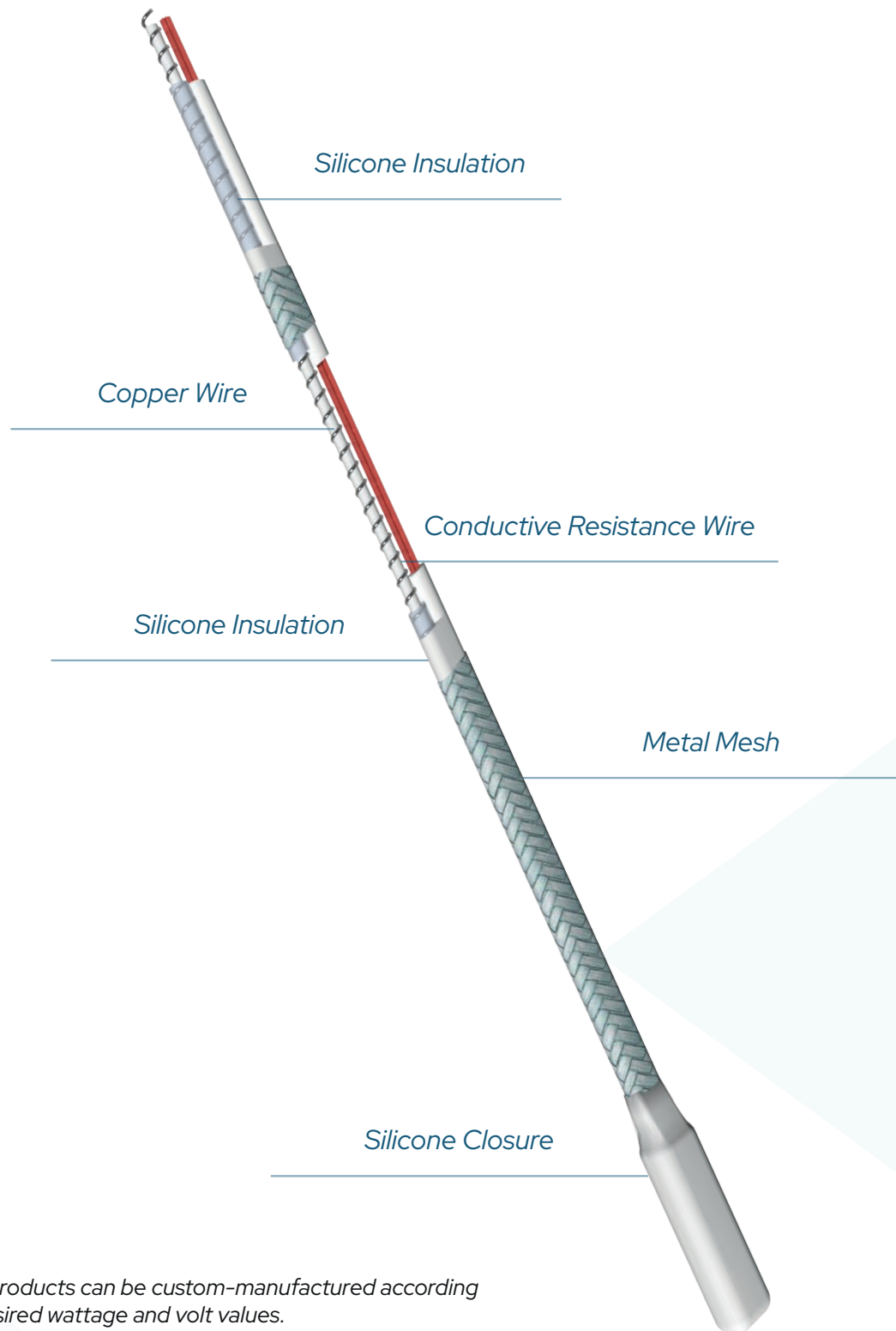
### Areas of Use

It is used to prevent water from freezing in drain lines. In industrial cooling systems, it is wrapped around the edges of the fan to thaw the radiator. It can be used in supermarket refrigerators, air conditioners, aquariums, and other freeze-proofing applications.

| Technical Specifications        |                                                       |
|---------------------------------|-------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                   |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                        |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                             |
| CABLE DIAMETER (MM)             | 5X5                                                   |
| COATING                         | SİLİKON ELASTOMER                                     |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                              |
| CABLE LENGTH RANGE (M)          | 1-20                                                  |
| POWER (W)                       | 15-50                                                 |
| MAXIMUM VOLTAGE                 | 500                                                   |
| TOLERANCE VALUES                | STRENGTH +/-10%<br>LENGTH +/-1%<br>DIMENSION +/-0.2mm |



# Braided Round Drainage



*All of our products can be custom-manufactured according to your desired wattage and volt values.*



## Drainage Resistance with Plug



Dinçel Drainage Resistance cables are designed to be installed inside pipes to drain water from thawing cooling equipment installed in cold rooms.

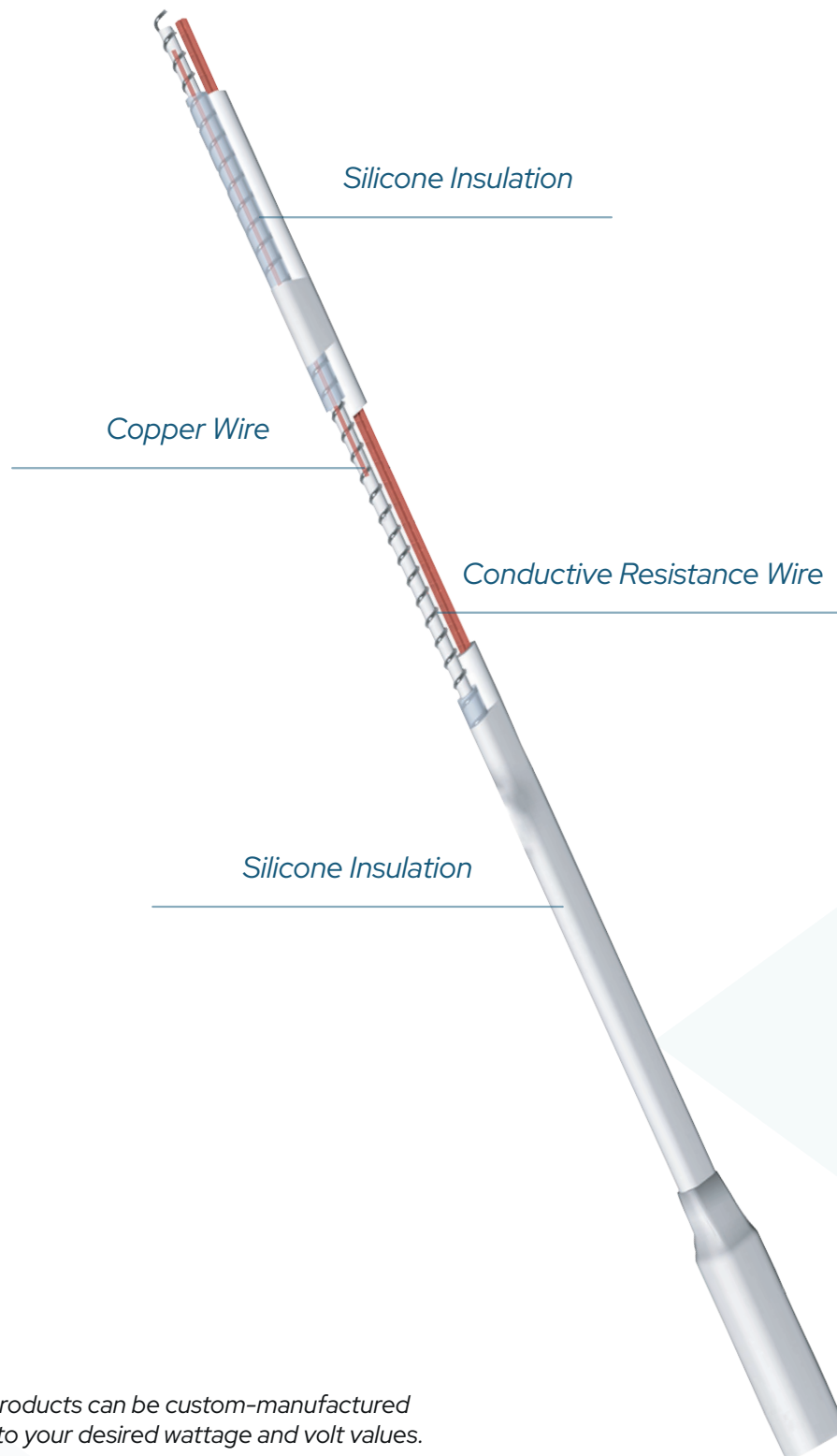
### Areas of Use

It is used to prevent water from freezing in drain lines. In industrial cooling systems, it is wrapped around the edges of the fan to thaw the radiator. It can be used in supermarket refrigerators, air conditioners, aquariums, and other freeze-proofing applications.

| Technical Specifications        |                                                       |
|---------------------------------|-------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                   |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                        |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                             |
| CABLE DIAMETER (MM)             | 5X5                                                   |
| COATING                         | SILICONE ELASTOMER                                    |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                              |
| CABLE LENGTH RANGE (M)          | 1-20                                                  |
| POWER (W)                       | 15-50                                                 |
| MAXIMUM VOLTAGE                 | 500                                                   |
| TOLERANCE VALUES                | STRENGTH +/-10%<br>LENGTH +/-1%<br>DIMENSION +/-0.2mm |

# Drainage **Resistance with Plug**

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*All of our products can be custom-manufactured according to your desired wattage and volt values.*

# Drainage **Resistance Thermostat**



Dinçel Drainage Resistance cables are designed to be installed inside pipes to drain water from thawing cooling equipment installed in cold rooms. The braided structure reduces the cable's flexibility, making it more resistant to impacts.

## Areas of Use

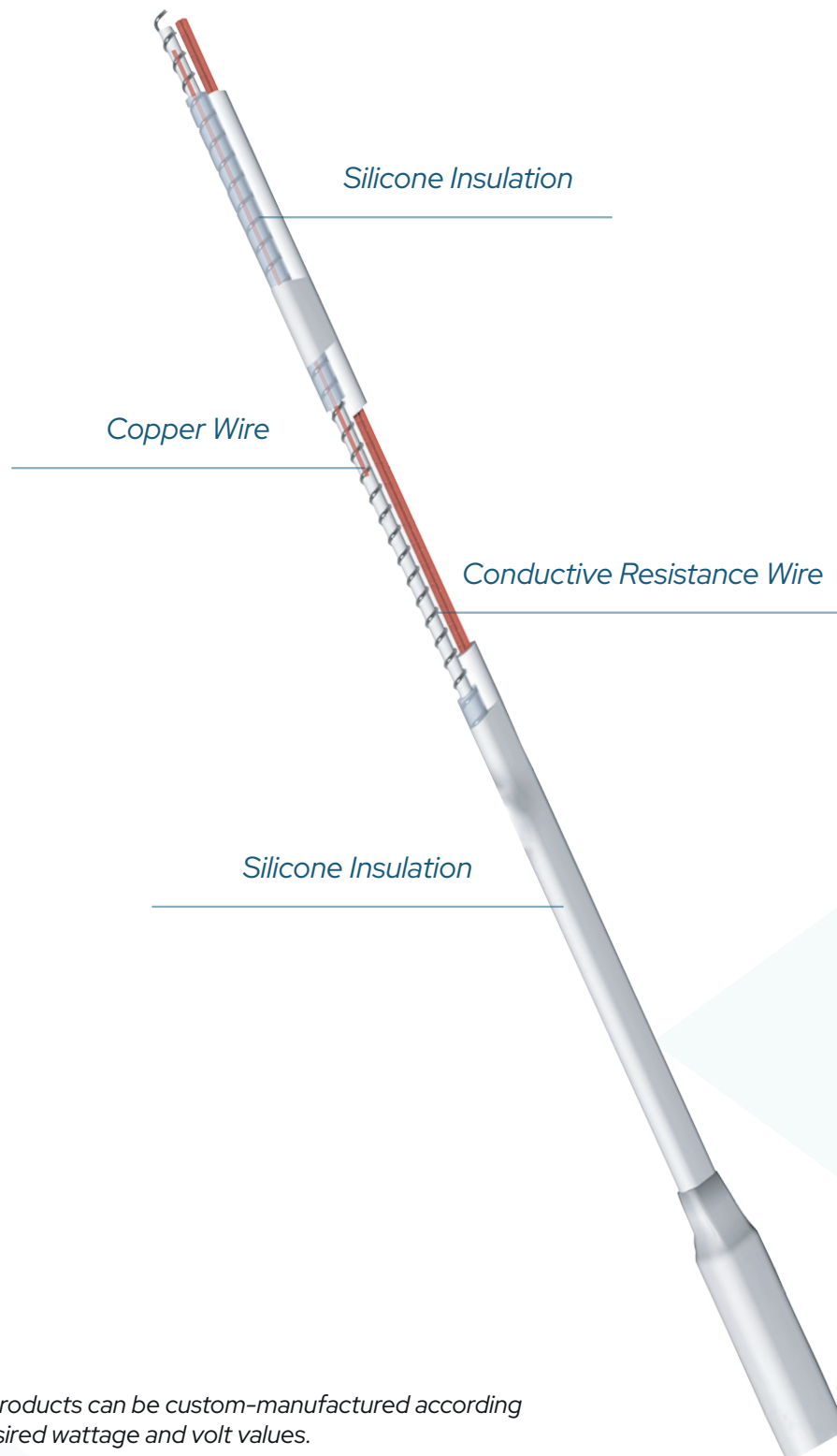
It is used to prevent water from freezing in drain lines. In industrial cooling systems, it is wrapped around the edges of the fan to thaw the radiator. It can be used in supermarket refrigerators, air conditioners, aquariums, and other freeze-proofing applications.

| Technical Specifications        |                                                       |
|---------------------------------|-------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                   |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                        |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                             |
| CABLE DIAMETER (MM)             | 5X5                                                   |
| COATING                         | SILICONE ELASTOMER                                    |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                              |
| CABLE LENGTH RANGE (M)          | 1-20                                                  |
| POWER (W)                       | 15-50                                                 |
| MAXIMUM VOLTAGE                 | 500                                                   |
| TOLERANCE VALUES                | STRENGTH +/-10%<br>LENGTH +/-1%<br>DIMENSION +/-0.2mm |



# Drainage **Resistance Thermostat**

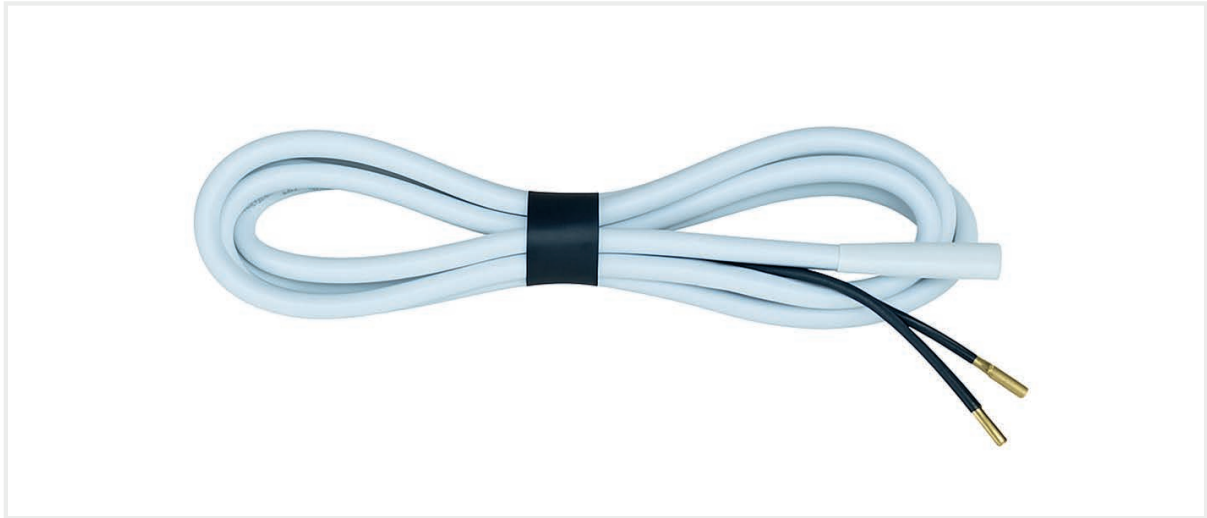
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## Non-Braided **Ellipse Drainage 2**



Dinçel Drainage Resistance cables are designed to be installed inside pipes to drain water from thawing cooling equipment installed in cold rooms.

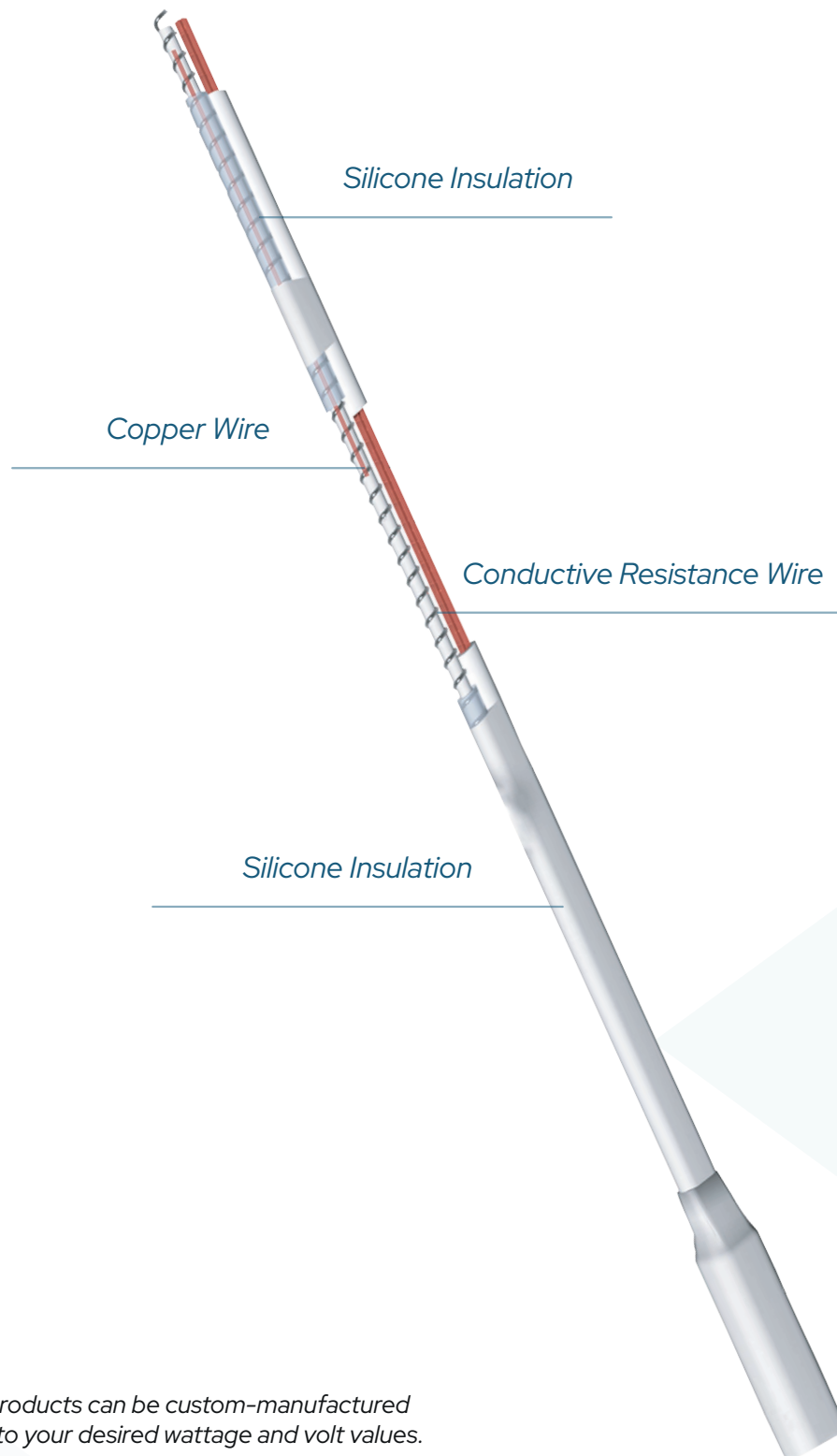
### Areas of Use

It is used to prevent water from freezing inside drain pipes. In industrial cooling systems, it is wrapped around the edges of the fan to thaw the radiator. It can be used in supermarket refrigerators, air conditioners, and aquariums to prevent freezing.

| Technical Specifications        |                                                       |
|---------------------------------|-------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                   |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                        |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                             |
| CABLE DIAMETER (MM)             | 5X7                                                   |
| COATING                         | SILICONE ELASTOMER                                    |
| COATING                         | SILICONE ELASTOMER                                    |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                              |
| CABLE LENGTH RANGE (M)          | 1-20                                                  |
| POWER (W)                       | 15-50                                                 |
| MAXIMUM VOLTAGE                 | 500                                                   |
| TOLERANCE VALUES                | STRENGTH +/-10%<br>LENGTH +/-1%<br>DIMENSION +/-0.2mm |

## Non-Braided **Ellipse Drainage 2**

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*All of our products can be custom-manufactured according to your desired wattage and volt values.*



## Non-Braided **Ellipse Drainage 3**



Dinçel Drainage Resistance cables are designed to be installed inside pipes to drain water from thawing cooling equipment installed in cold rooms.

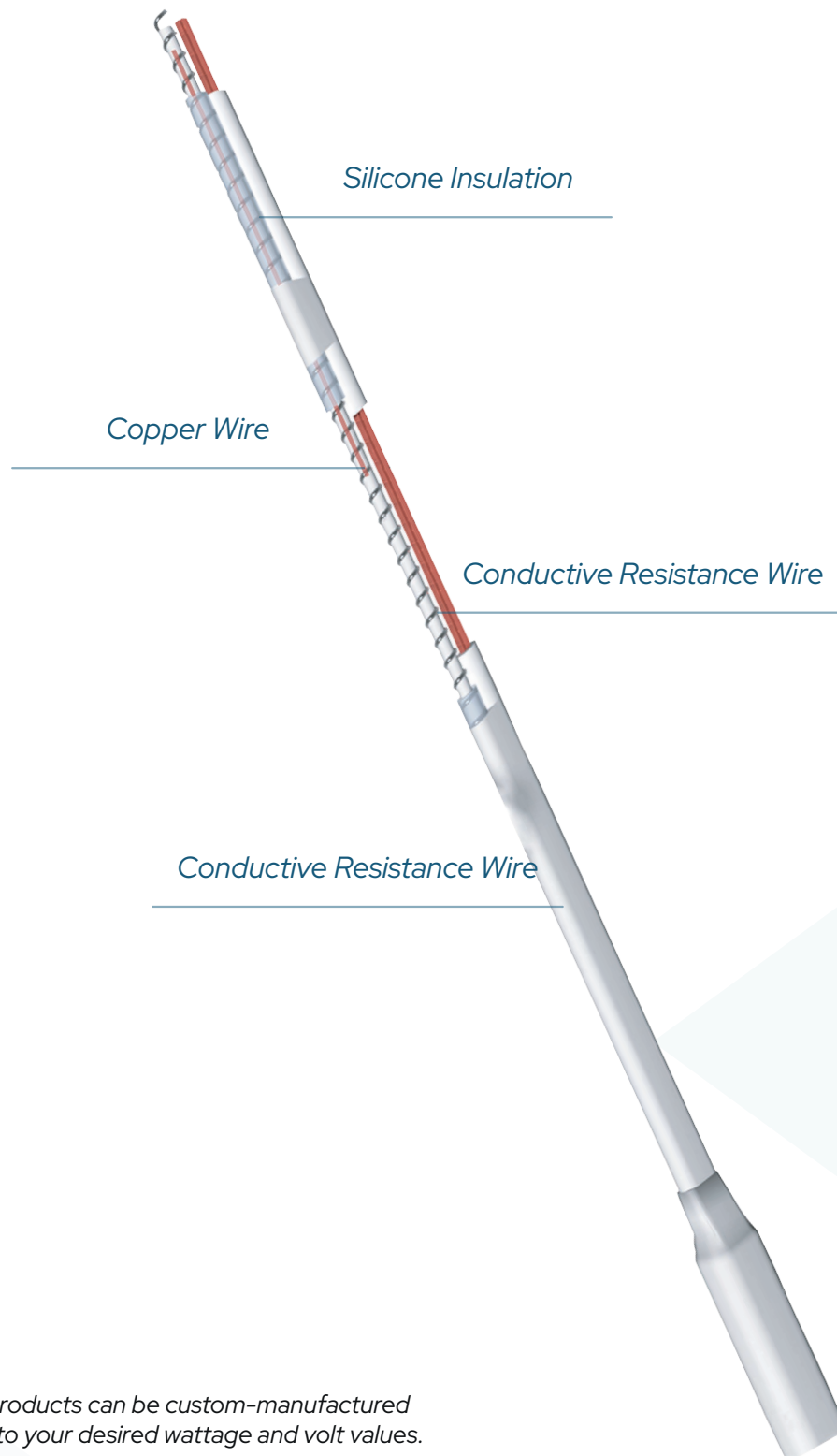
### Areas of Use

It is used to prevent water from freezing inside drain pipes. In industrial cooling systems, it is wrapped around the edges of the fan to thaw the radiator. It can be used in supermarket refrigerators, air conditioners, and aquariums to prevent freezing.

| Technical Specifications        |                                                       |
|---------------------------------|-------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                   |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                        |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                             |
| CABLE DIAMETER (MM)             | 5X7                                                   |
| COATING                         | SİLİKON ELASTOMER                                     |
| COATING                         | SİLİKON ELASTOMER                                     |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                              |
| CABLE LENGTH RANGE (M)          | 1-20                                                  |
| POWER (W)                       | 15-50                                                 |
| MAXIMUM VOLTAGE                 | 500                                                   |
| TOLERANCE VALUES                | STRENGTH +/-10%<br>LENGTH +/-1%<br>DIMENSION +/-0.2mm |

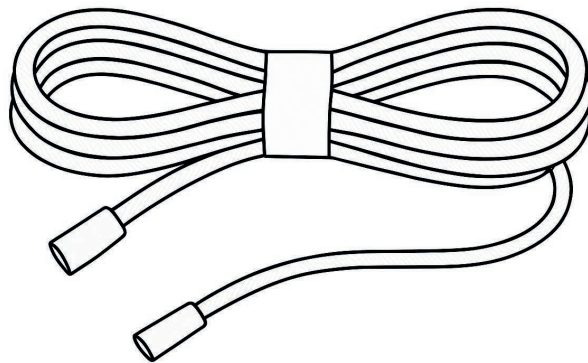
## Non-Braided **Ellipse Drainage 3**

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*All of our products can be custom-manufactured according to your desired wattage and volt values.*

# Door Resistances



- ⌚ Non-Braided Door Heaters
- ⌚ Braided Door Heaters
- ⌚ Door Heaters with Power Supply Cable
- ⌚ Unbraided Door Heaters (With Internal Cold Zones)
- ⌚ Non-Braided Door Heaters (With Internal Cold Zone, 5mm)
- ⌚ Unbraided Door Heaters with Additional Cold Zone

# Non-Braided Door Heaters



Dinçel Door Heaters are used to prevent liquids from condensing and retaining moisture inside deep-freeze profiles. In industrial cooling units, they are wrapped around the fan edges to defrost the radiator. They are also used to prevent all types of freezing in supermarket refrigerators, air conditioners, and aquariums.

## Areas of Use

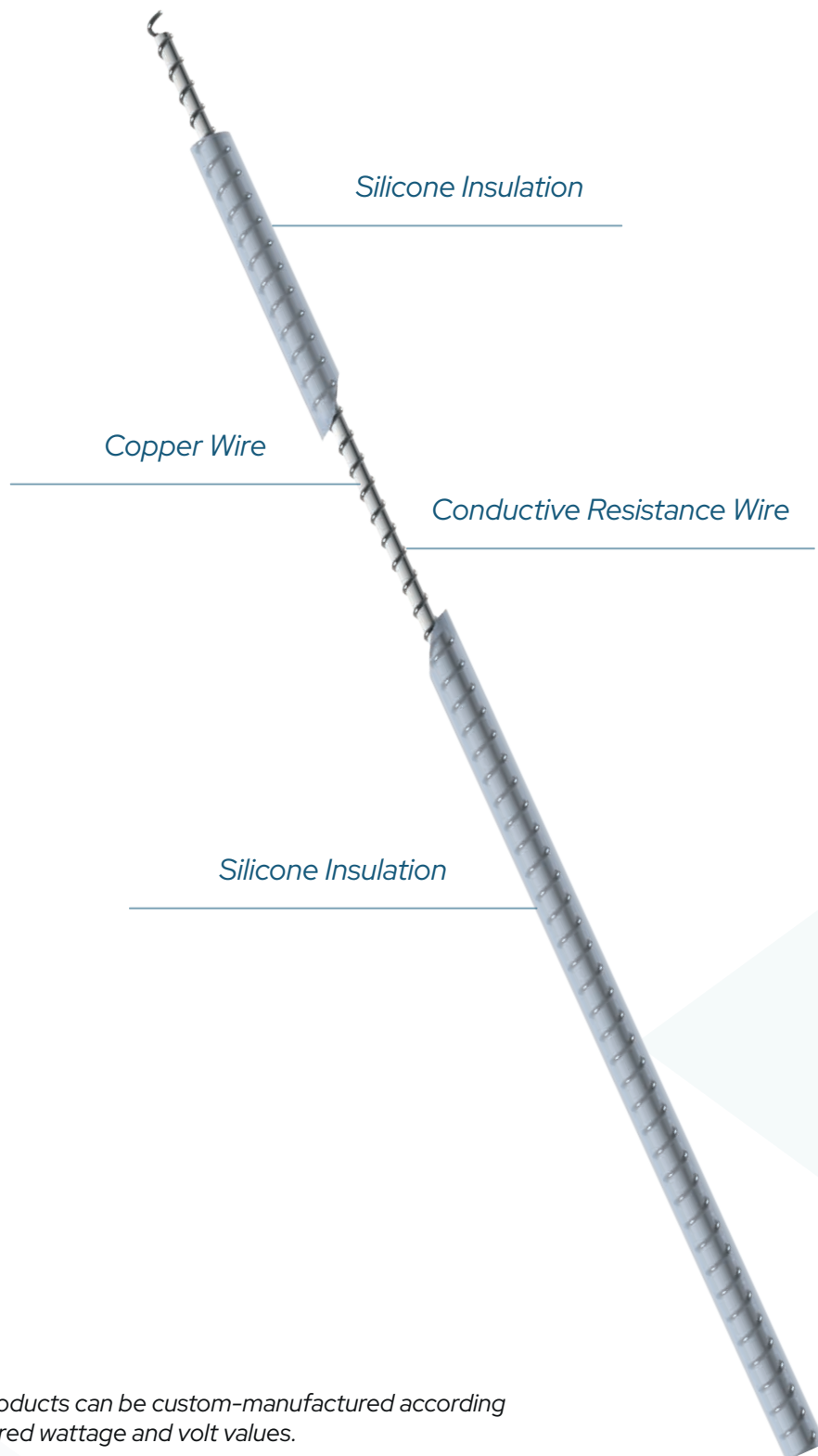
It is designed for use mostly in industrial refrigeration, impact doors, cold room storage doors, negative cabinets, etc.

| Technical Specifications        |                                                         |
|---------------------------------|---------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                     |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                          |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                               |
| CABLE DIAMETER (MM)             | 2-6                                                     |
| COATING                         | SILICONE ELASTOMER                                      |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                                |
| MAX OHM ( $\Omega$ /M)          | 5000                                                    |
| POWER (W)                       | 30                                                      |
| MAXIMUM VOLTAGE                 | 600                                                     |
| TOLERANCE VALUES                | RESISTANCE +/-10%<br>LENGTH +/- 1%<br>DIAMETER +/-0.2mm |



# Non-Braided **Door Heaters**

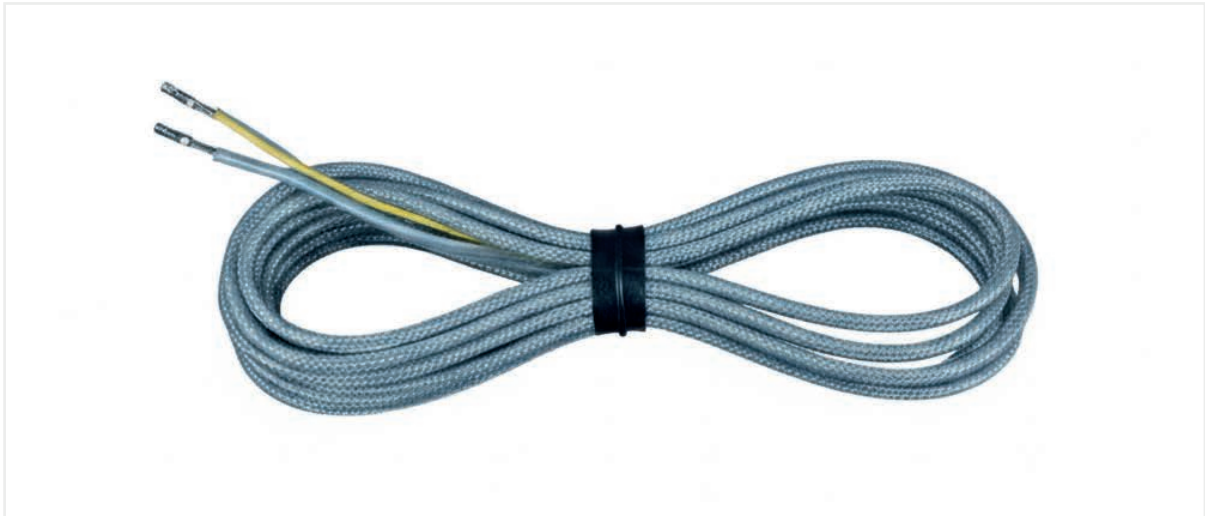
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*All of our products can be custom-manufactured according to your desired wattage and volt values.*



# Braided Door Heaters



Dinçel Door Heaters are used to prevent liquids from condensing and retaining moisture inside deep-freeze profiles. In industrial cooling units, they are wrapped around the fan edges to defrost the radiator. They are also used to prevent all types of freezing in supermarket refrigerators, air conditioners, and aquariums.

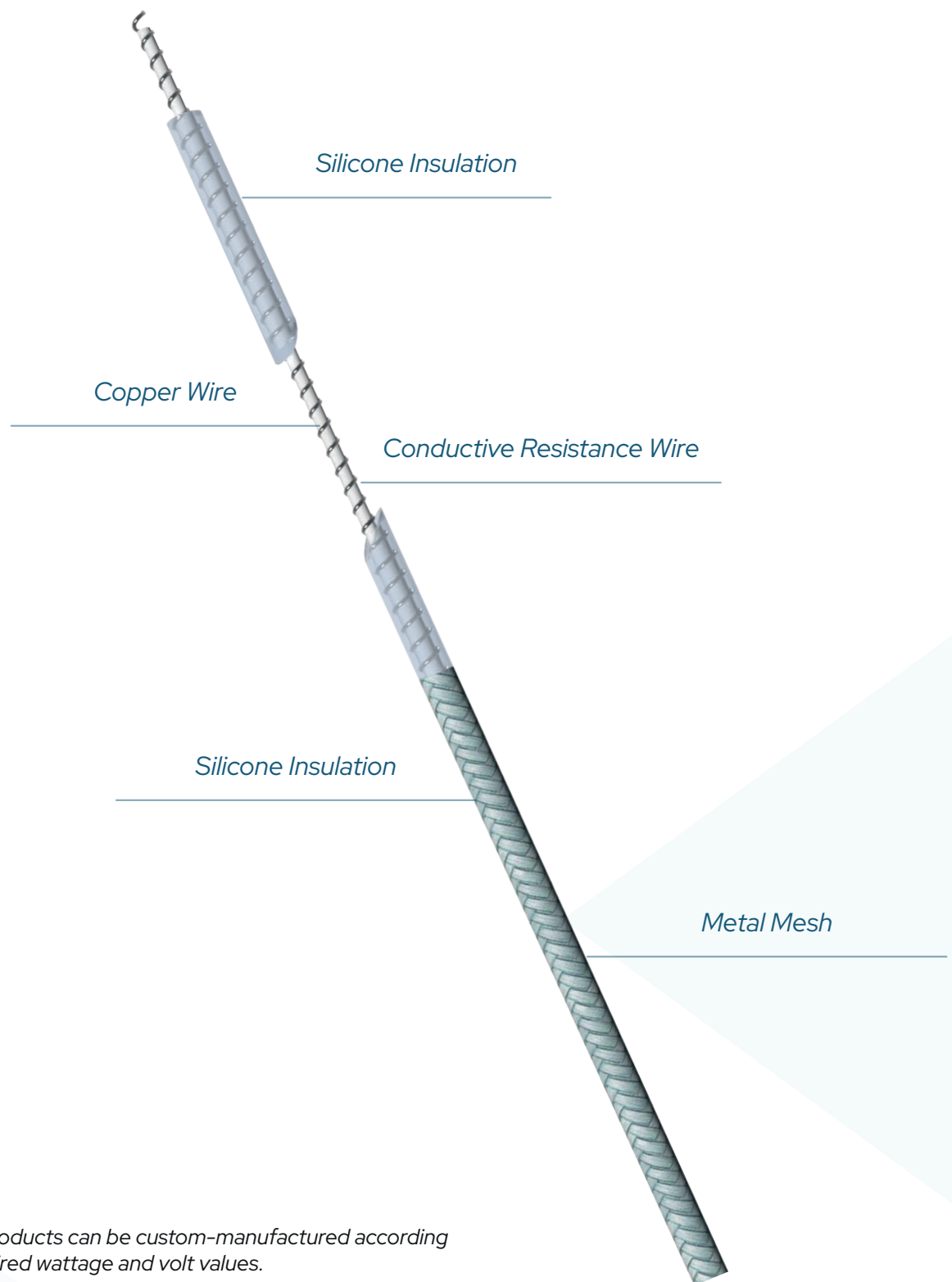
## Areas of Use

It is designed for use mostly in industrial refrigeration, impact doors, cold room storage doors, negative cabinets, etc.

| Technical Specifications        |                                                         |
|---------------------------------|---------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                     |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                          |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                               |
| CABLE DIAMETER (MM)             | 2-6                                                     |
| COATING                         | SILICONE ELASTOMER                                      |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                                |
| MAX OHM ( $\Omega$ /M)          | 5000                                                    |
| POWER (W)                       | 30                                                      |
| MAXIMUM VOLTAGE                 | 600                                                     |
| TOLERANCE VALUES                | RESISTANCE +/-10%<br>LENGTH +/- 1%<br>DIAMETER +/-0.2mm |



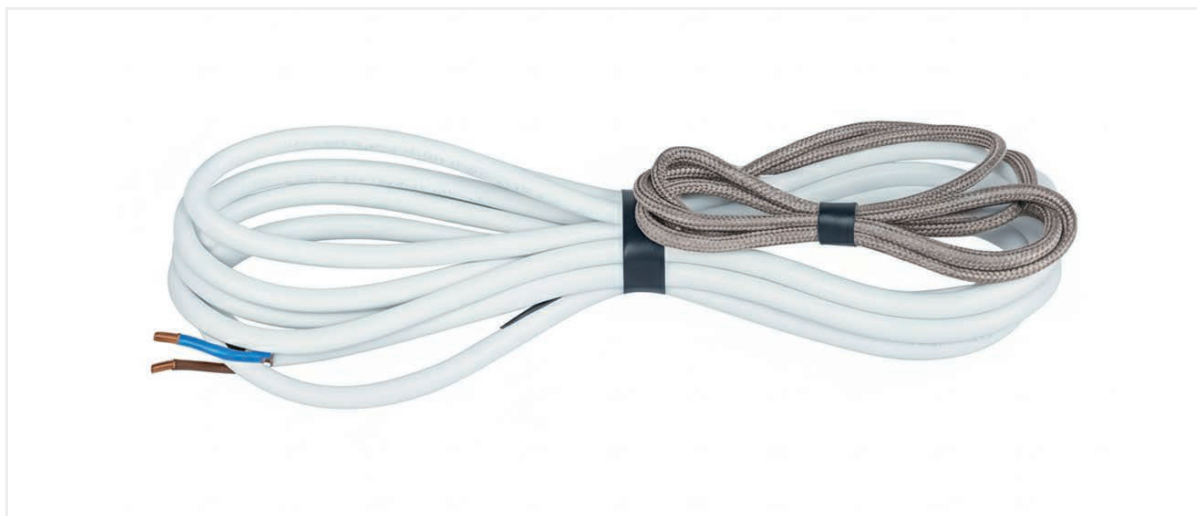
# Braided Door Heaters



*All of our products can be custom-manufactured according to your desired wattage and volt values.*



# Door Heaters **with Power Supply Cable**



Dinçel Door Heaters are used to prevent liquids from condensing and retaining moisture inside deep-freeze profiles. In industrial cooling units, they are wrapped around the fan edges to defrost the radiator. They are also used to prevent all types of freezing in supermarket refrigerators, air conditioners, and aquariums.

## Areas of Use

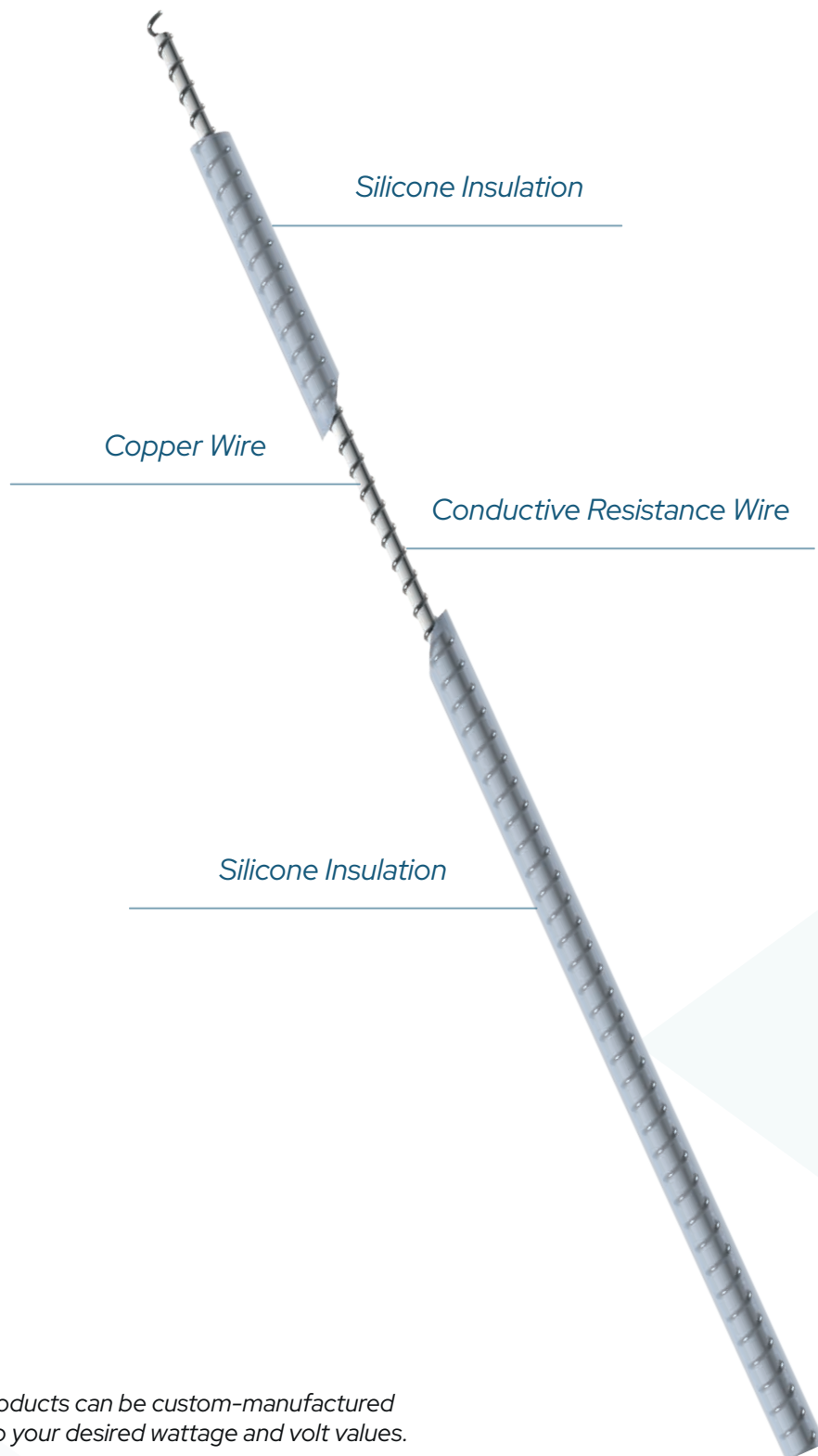
It is designed for use mostly in industrial refrigeration, impact doors, cold room storage doors, negative cabinets, etc.

| Technical Specifications        |                                                         |
|---------------------------------|---------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                     |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                          |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                               |
| CABLE DIAMETER (MM)             | 2-6                                                     |
| COATING                         | SILICONE ELASTOMER                                      |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                                |
| MAX OHM ( $\Omega$ /M)          | 5000                                                    |
| POWER (W)                       | 30                                                      |
| MAXIMUM VOLTAGE                 | 600                                                     |
| TOLERANCE VALUES                | RESISTANCE +/-10%<br>LENGTH +/- 1%<br>DIAMETER +/-0.2mm |



# Door Heaters **with Power Supply Cable**

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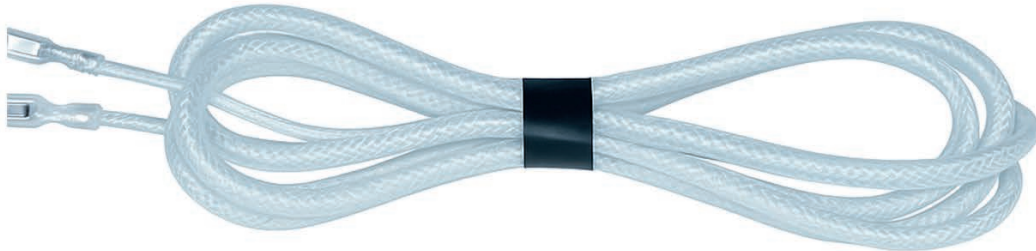


*All of our products can be custom-manufactured according to your desired wattage and volt values.*



# Unbraided Door Heaters

*(With Internal Cold Zones)*



Dinçel Door Heaters are used to prevent liquids from retaining condensation and moisture inside deep-freeze profiles. In industrial cooling units, they are wrapped around the fan edges to thaw the radiator. They are used to prevent all types of freezing in supermarket refrigerators, air conditioners, and aquariums.

## Areas of Use

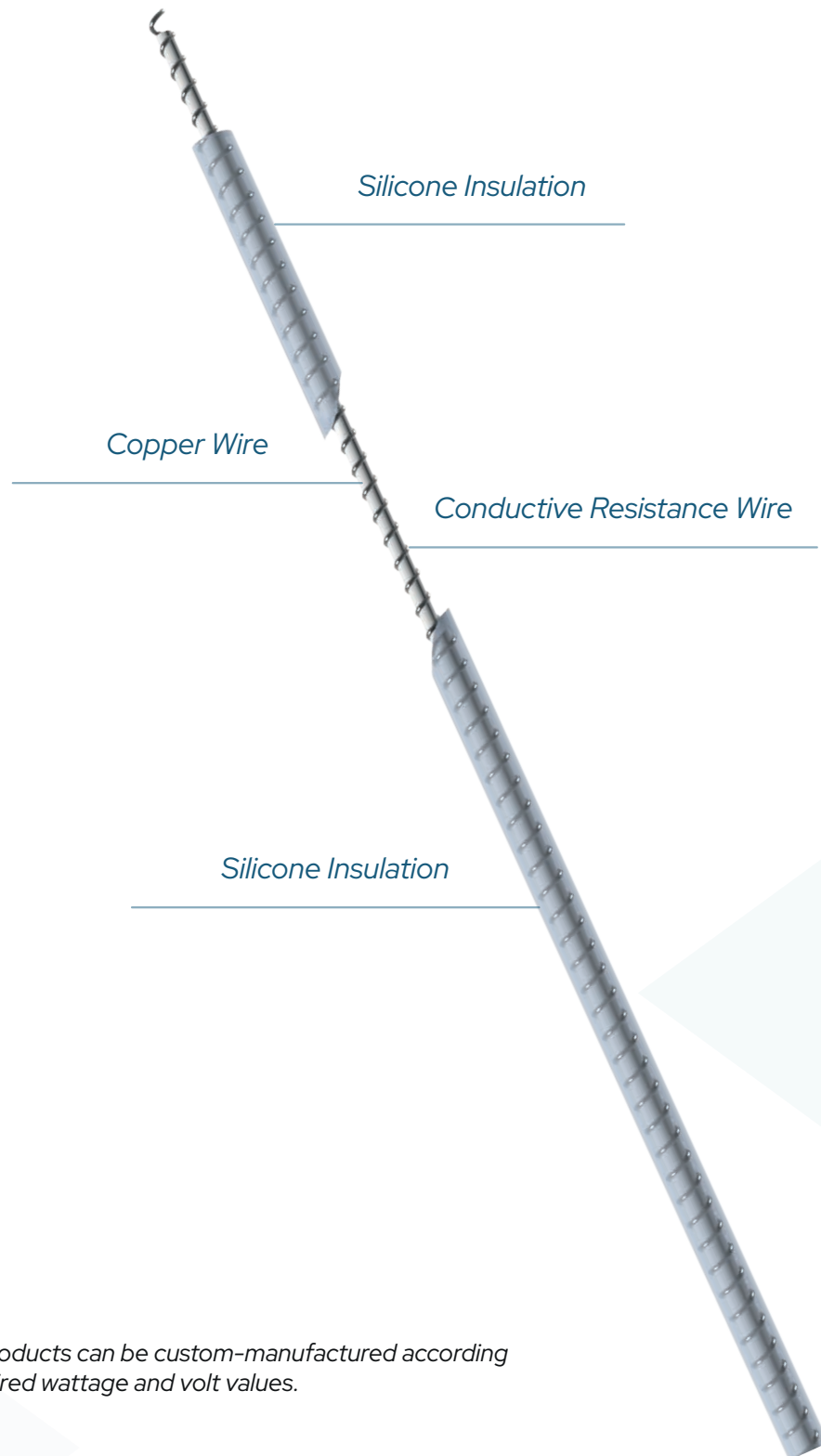
It is designed for use mostly in industrial refrigeration, impact doors, cold room storage doors, negative cabinets, etc.

| Technical Specifications        |                                                         |
|---------------------------------|---------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                     |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                          |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                               |
| CABLE DIAMETER (MM)             | 2-6                                                     |
| COATING                         | SILICONE ELASTOMER                                      |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                                |
| MAX OHM ( $\Omega$ /M)          | 5000                                                    |
| POWER (W)                       | 30                                                      |
| MAXIMUM VOLTAGE                 | 600                                                     |
| TOLERANCE VALUES                | RESISTANCE +/-10%<br>LENGTH +/- 1%<br>DIAMETER +/-0.2mm |



# Unbraided Door **Heaters**

*(With Internal Cold Zones)*



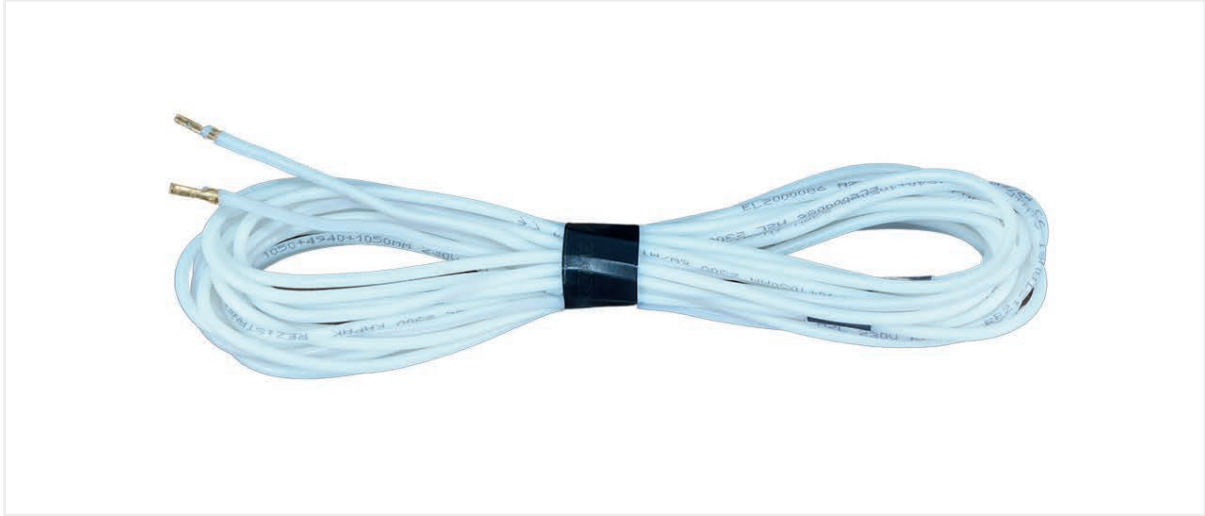
*All of our products can be custom-manufactured according to your desired wattage and volt values.*





# Non-Braided Door Heaters

(With Internal Cold Zone, 5mm)



Dinçel Door Heaters are used to prevent liquids from retaining condensation and moisture inside deep-freeze profiles. In industrial cooling units, they are wrapped around the fan edges to thaw the radiator. They are used to prevent all types of freezing in supermarket refrigerators, air conditioners, and aquariums.

## Areas of Use

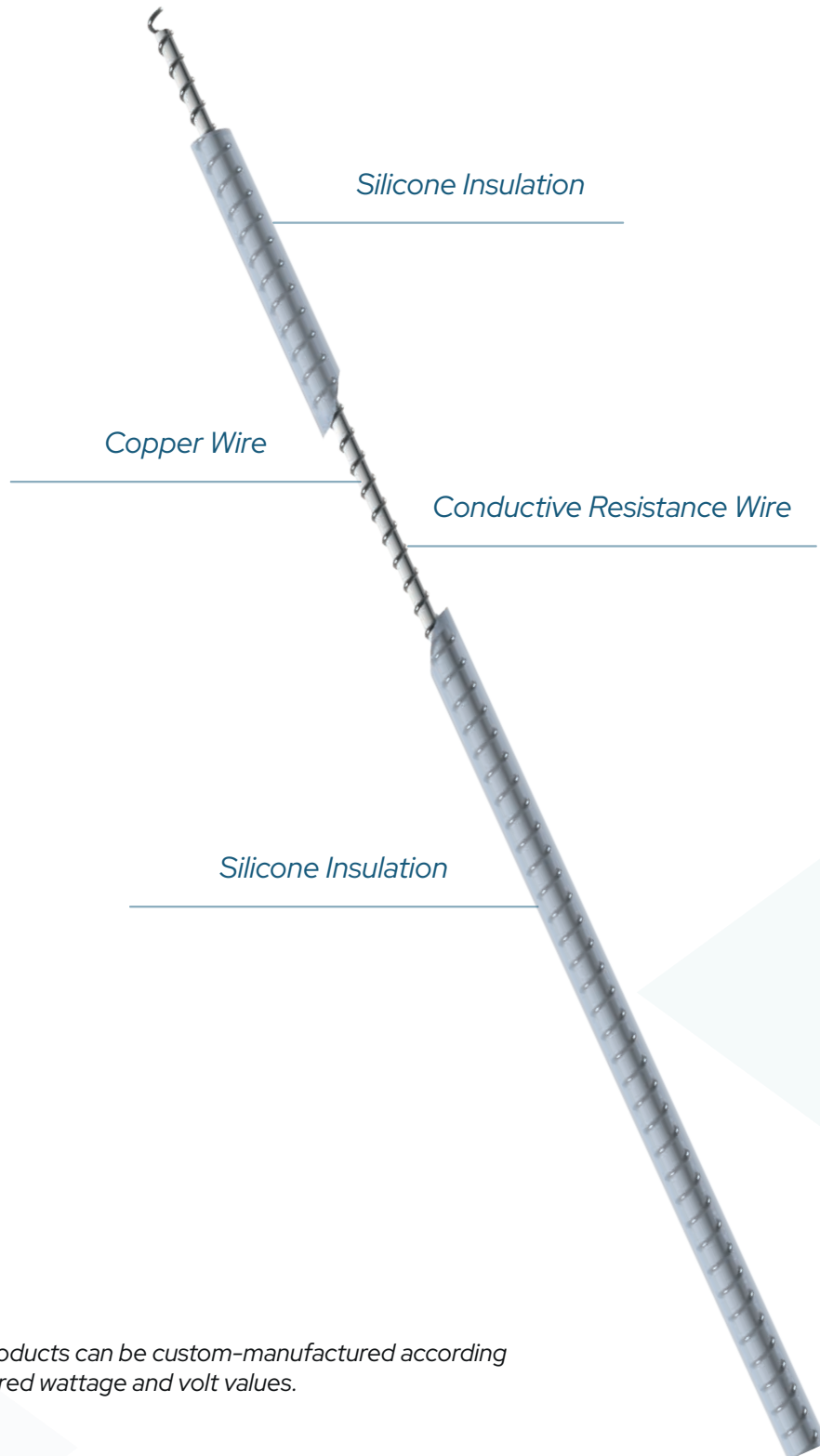
It is designed for use mostly in industrial refrigeration, impact doors, cold room storage doors, negative cabinets, etc.

| Technical Specifications        |                                                         |
|---------------------------------|---------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                     |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                          |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                               |
| CABLE DIAMETER (MM)             | 2-6                                                     |
| COATING                         | SILICONE ELASTOMER                                      |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                                |
| MAX OHM ( $\Omega$ /M)          | 5000                                                    |
| GÜÇ (W)                         | 30                                                      |
| MAXIMUM VOLTAGE                 | 600                                                     |
| TOLERANCE VALUES                | RESISTANCE +/-10%<br>LENGTH +/- 1%<br>DIAMETER +/-0.2mm |



# Non-Braided **Door Heaters**

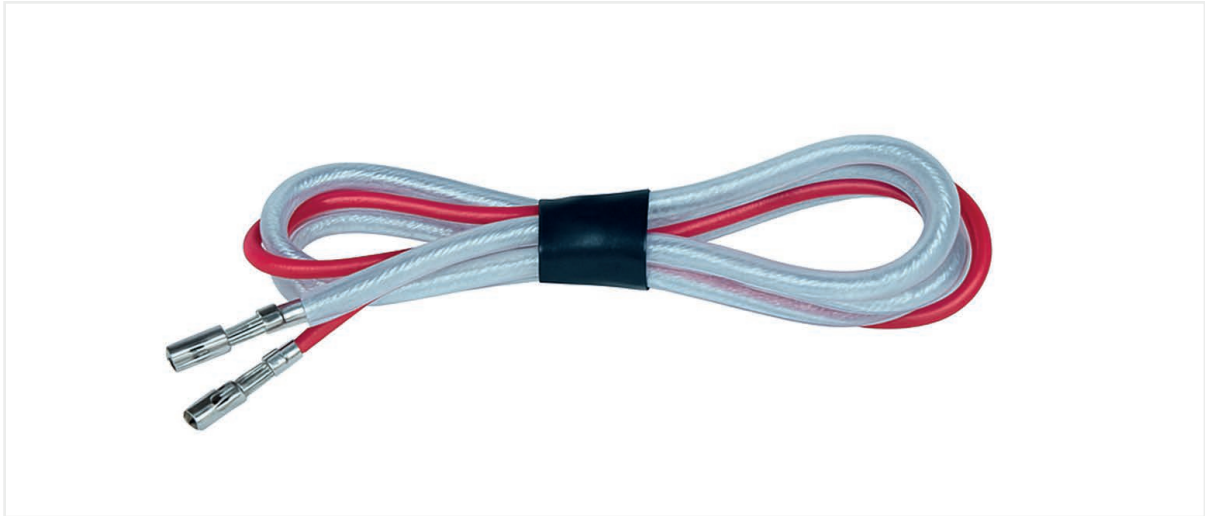
*(With Internal Cold Zone, 5mm)*



*All of our products can be custom-manufactured according to your desired wattage and volt values.*



# Unbraided Door Heaters with Additional Cold Zone



Dinçel Door Heaters are used to prevent liquids from retaining condensation and moisture inside deep-freeze profiles. In industrial cooling units, they are wrapped around the fan edges to thaw the radiator. They are used to prevent all types of freezing in supermarket refrigerators, air conditioners, and aquariums.

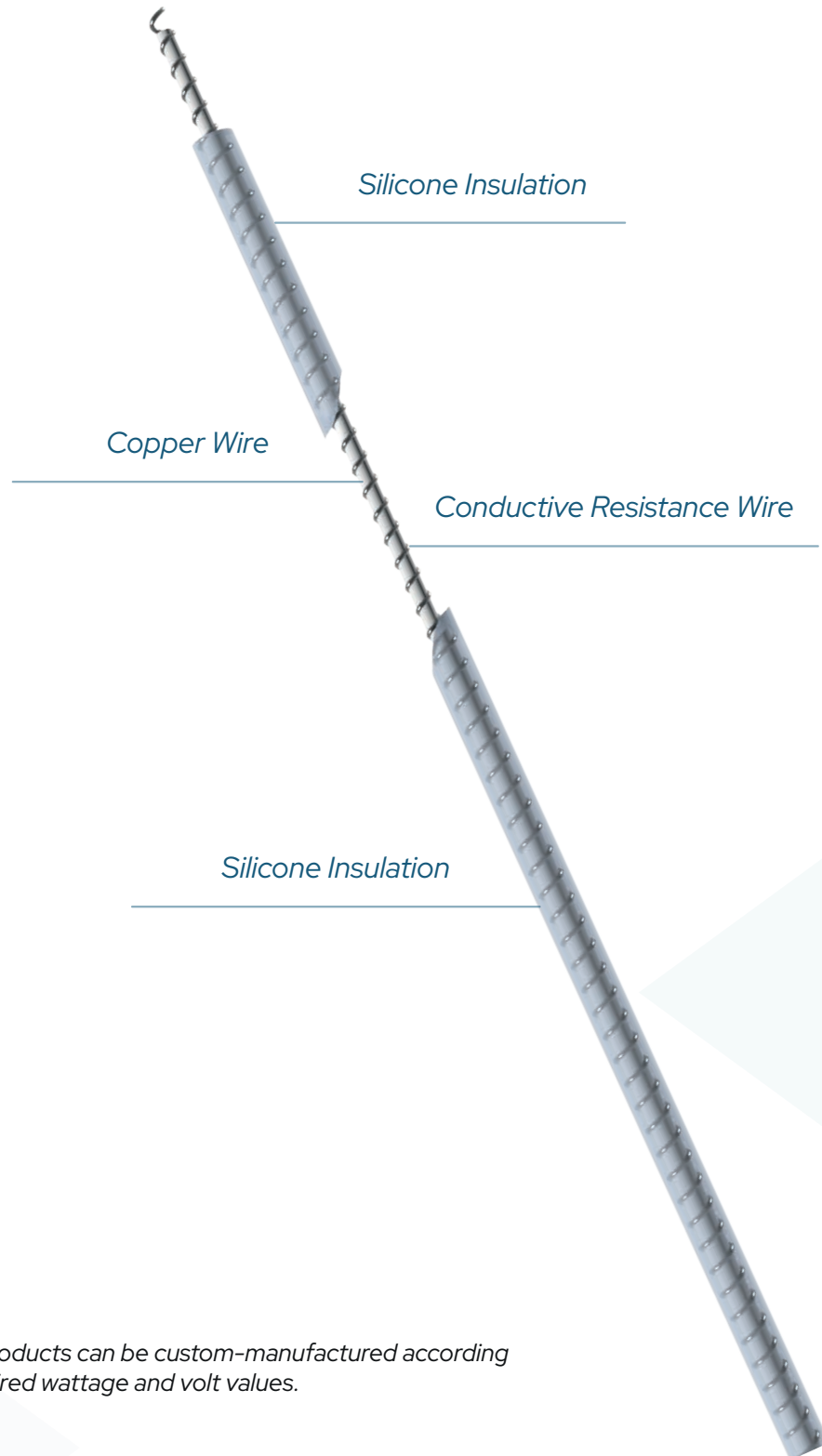
## Areas of Use

It is designed for use mostly in industrial refrigeration, impact doors, cold room storage doors, negative cabinets, etc.

| Technical Specifications        |                                                         |
|---------------------------------|---------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                     |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                          |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                               |
| CABLE DIAMETER (MM)             | 2-6                                                     |
| COATING                         | SILICONE ELASTOMER                                      |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                                |
| MAX OHM ( $\Omega$ /M)          | 5000                                                    |
| POWER (W)                       | 30                                                      |
| MAXIMUM VOLTAGE                 | 600                                                     |
| TOLERANCE VALUES                | RESISTANCE +/-10%<br>LENGTH +/- 1%<br>DIAMETER +/-0.2mm |

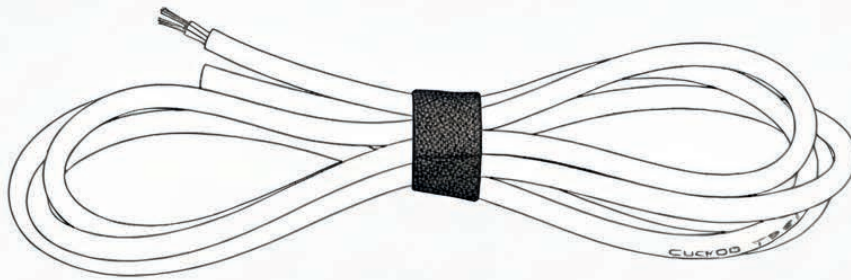


# Unbraided Door Heaters with Additional Cold Zone



*All of our products can be custom-manufactured according to your desired wattage and volt values.*

# Cuttable Resistances



- ⌚ Non-Braided Cuttable Heaters
- ⌚ Braided Cuttable Heaters

## Non-Braided **Cuttable Heaters**



Dinçel Cuttable Resistance Cables are widely used in almost every sector, depending on your needs.

It can be cut and shortened to the desired size on a per metre basis.

To ensure the longevity of these resistors, we recommend using a control device.

### Areas of Use

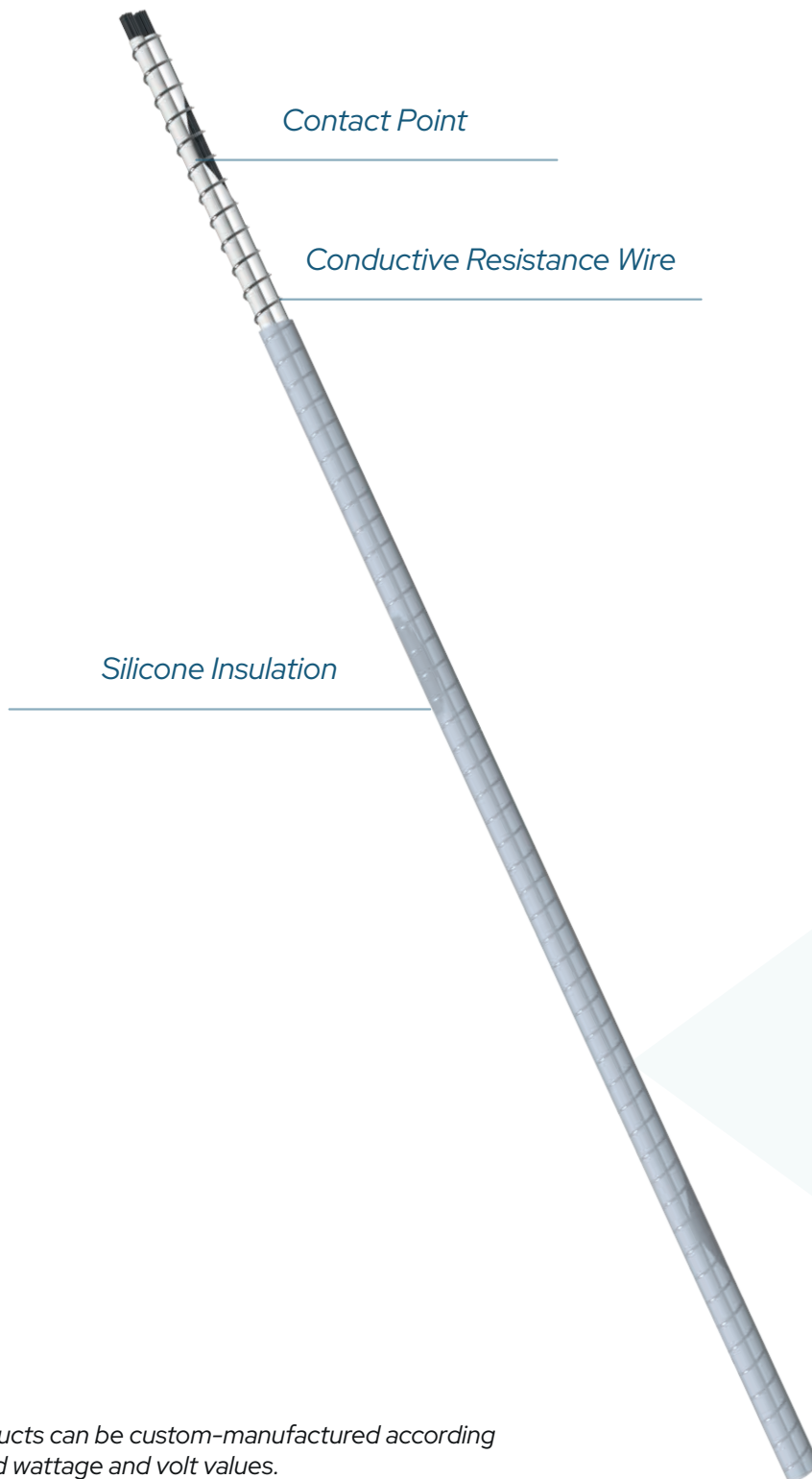
These cables are manufactured specifically for use in the refrigeration industry. Their most common use is in cold room storage doors. They can be used to prevent wastewater pipes and gutters from freezing. They can also be used in windows, cooling appliances and air conditioners, heating pumps, floors, and bowls.

| Technical Specifications        |                                                         |
|---------------------------------|---------------------------------------------------------|
| POWER (W/M)                     | 25-30-40-50-55                                          |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                          |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                               |
| CABLE DIAMETER (MM)             | FROM 3X4                                                |
| COATING                         | SILICONE ELASTOMER                                      |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                                |
| TOLERANCE VALUES                | RESISTANCE +/-10%<br>LENGTH +/- 1%<br>DIAMETER +/-0.2mm |



# Non-Braided **Cuttable Heaters**

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*All of our products can be custom-manufactured according to your desired wattage and volt values.*

# Braided **Cuttable Heaters**



Dinçel Cuttable Resistance Cables are widely used in almost every sector, depending on your needs.

It can be cut and shortened to the desired size on a per metre basis.

To ensure the longevity of these resistors, we recommend using a control device.

## Areas of Use

These cables are manufactured specifically for use in the refrigeration industry. Their most common use is in cold room storage doors. They can be used to prevent wastewater pipes and gutters from freezing. They can also be used in windows, cooling appliances and air conditioners, heating pumps, floors, and bowls.

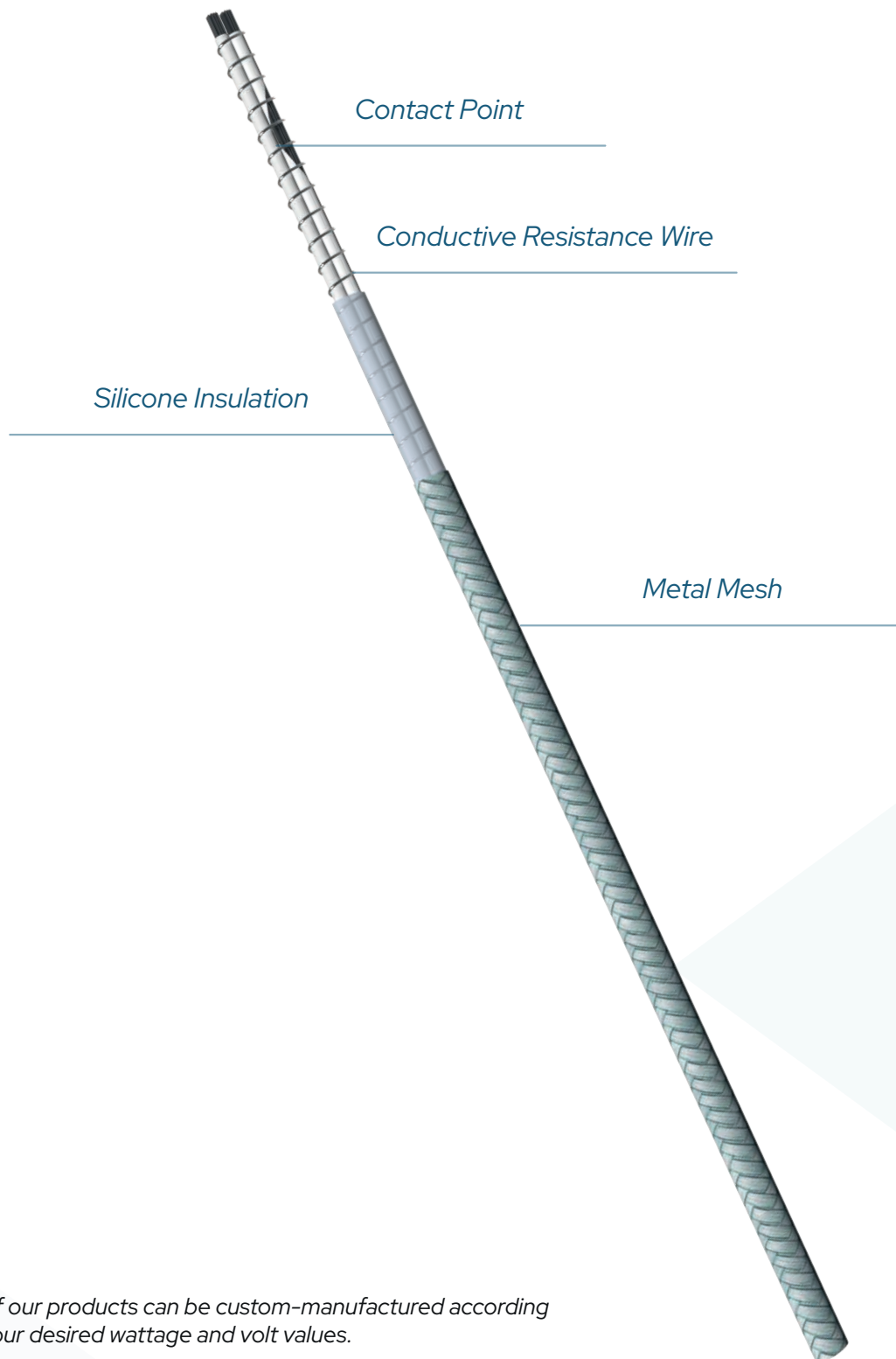
| Technical Specifications        |                                                         |
|---------------------------------|---------------------------------------------------------|
| POWER (W/M)                     | 25-30-40-50-55                                          |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                          |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                               |
| CABLE DIAMETER (MM)             | FROM 3X4                                                |
| COATING                         | SILICONE ELASTOMER                                      |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                                |
| TOLERANCE VALUES                | RESISTANCE +/-10%<br>LENGTH +/- 1%<br>DIAMETER +/-0.2mm |





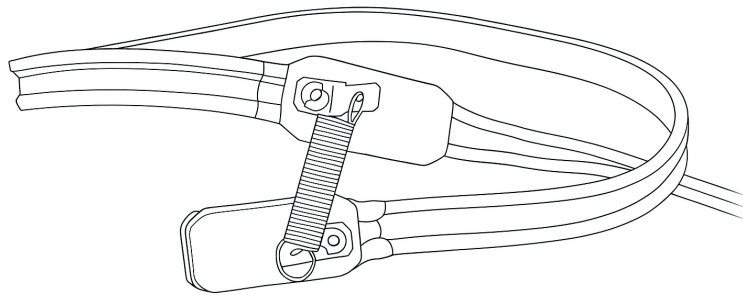
# Braided **Cutttable** Heaters

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*All of our products can be custom-manufactured according to your desired wattage and volt values.*

# Crankcase (Compressor) Resistances



- ⌚ Silicone Crankcase (Compressor) Heater
- ⌚ Braided Crankcase (Compressor) Heater

# Silicone Crankcase (Compressor) Heater



Dinçel Compressor Heating Elements are used to install in compressors to ensure lower temperatures, faster complete suction, and avoid heavy lubrication.

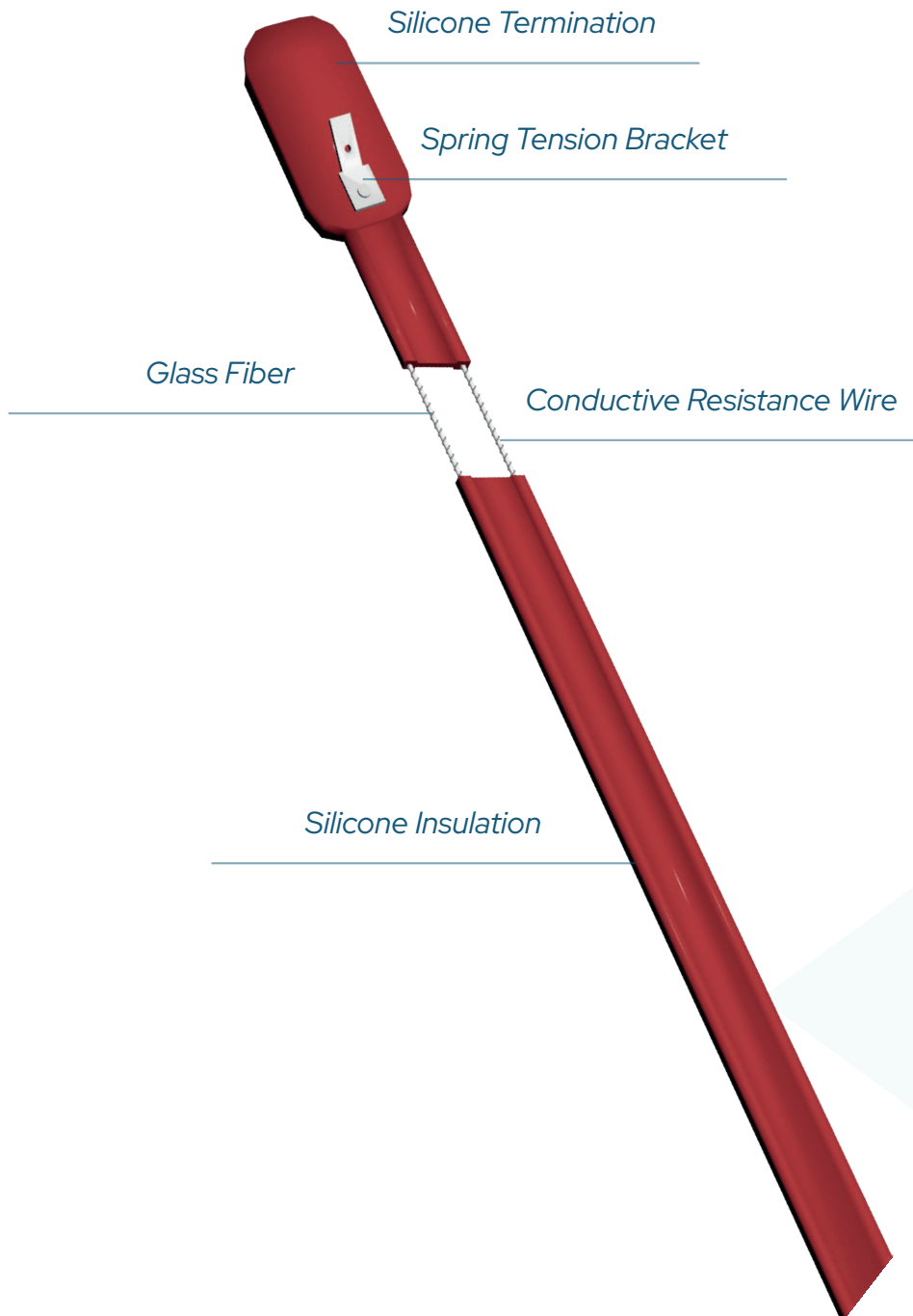
## Areas of Use

Crankcase heater resistors (heating belt, compressor resistor) are manufactured to prevent oil condensation in compressors. The crankcase resistor must be wrapped to ensure full contact with the compressor casing. This ensures good heat transfer and extends the resistor's life.

| Technical Specifications        |                                                       |
|---------------------------------|-------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                   |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                        |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                             |
| CABLE DIAMETER (MM)             | 67X5,5                                                |
| COATING                         | SILICONE ELASTOMER                                    |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                              |
| CABLE LENGTH RANGE (M)          | 0,40-30                                               |
| POWER (W)                       | 15-70                                                 |
| MAXIMUM VOLTAGE                 | 500                                                   |
| TOLERANCE VALUES                | STRENGTH +/-10%<br>LENGTH +/-1%<br>DIMENSION +/-0.2mm |



# Silicone Crankcase (Compressor) Heater



*All of our products can be custom-manufactured according to your desired wattage and volt values.*



# Braided Crankcase (Compressor) Heater



Dinçel Compressor Heating Elements are used to install in compressors to achieve lower temperatures, faster complete suction, and avoid heavy lubrication.

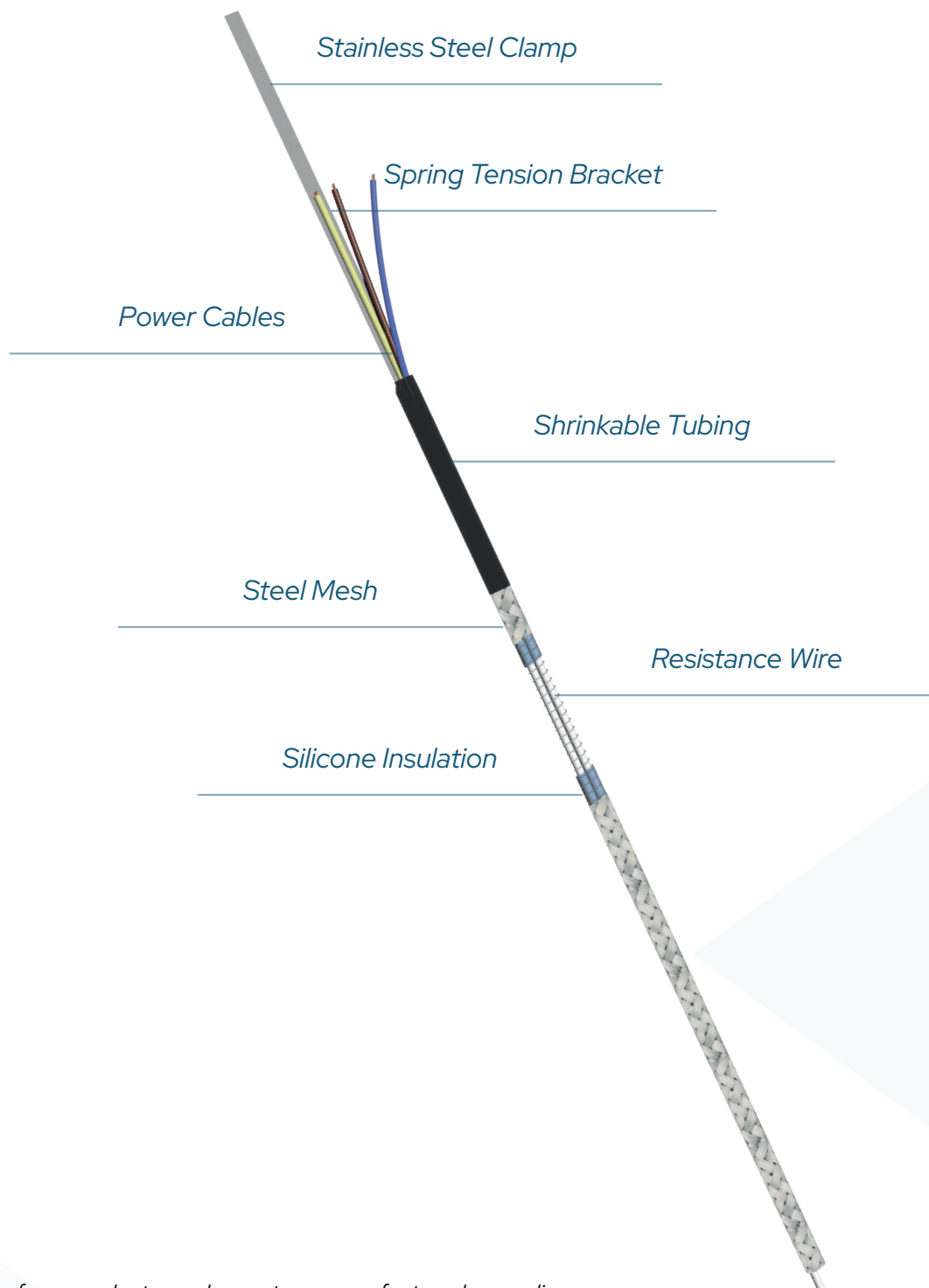
## Areas of Use

Crankcase heater resistors (heating belt, compressor resistor) are manufactured to prevent oil condensation in compressors. The crankcase resistor must be wrapped to ensure full contact with the compressor casing. This ensures good heat transfer and extends the resistor's life.

| Technical Specifications        |                                                       |
|---------------------------------|-------------------------------------------------------|
| GLASS FIBER DIAMETER (MM)       | 1.1                                                   |
| HEATING WIRE                    | CHROME-NICKEL OR COPPER-NICKEL                        |
| HEATING WIRE DIAMETER (MM)      | 0,05-0,08                                             |
| CABLE DIAMETER (MM)             | 5X7                                                   |
| COATING                         | SILICONE ELASTOMER                                    |
| TEMPERATURE RESISTANCE OF CABLE | -60 -180                                              |
| CABLE LENGTH RANGE (M)          | 0,40-2                                                |
| POWER (W)                       | 15-50                                                 |
| MAXIMUM VOLTAGE                 | 500                                                   |
| TOLERANCE VALUES                | STRENGTH +/-10%<br>LENGTH +/-1%<br>DIMENSION +/-0.2mm |

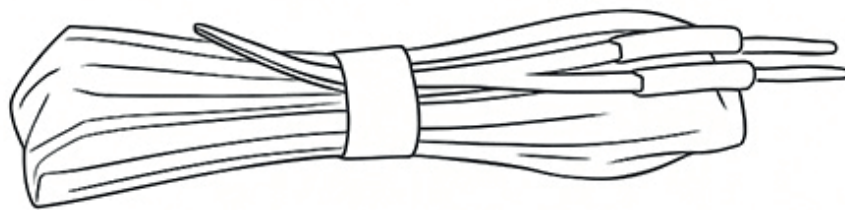


# Braided Crankcase (Compressor) Heater



*All of our products can be custom-manufactured according to your desired wattage and volt values.*

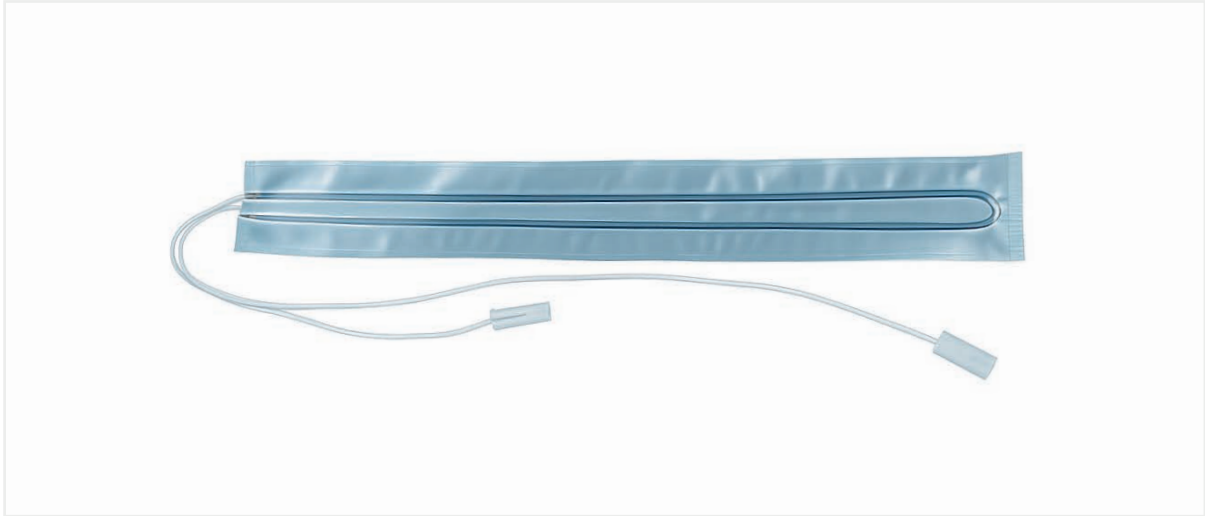
# Foiled Resistors



⌚ Foiled Resistance



## Foiled Resistance



Dinçel Foiled Heating Elements can maintain a constant temperature of up to 80 degrees Celsius. They are used to heat large areas and prevent icing and frost. They are also used in home-type frost-free refrigerators to prevent icing of household appliances.

To ensure the longevity of these resistors, we recommend using a control device.

Foil-wrapped heaters provide a wide heating area and are fast, safe, and easy to use. Standard models or custom designs tailored to your needs overcome many installation challenges.

All of our products can be custom produced according to the requested wattage and volt values.

### Areas of Use

Dinçel Foiled Heating Elements can maintain a constant temperature of up to 80 degrees Celsius. They are used to heat large areas and prevent icing and frost. They are also used in home-type frost-free refrigerators to prevent icing of household appliances.

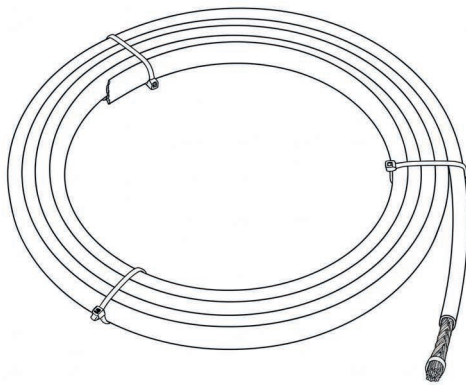
### Technical Specifications

It is produced entirely according to the demands of our customers.

You can contact us to get information according to your needs.



# Self Regulating Cables



④ Self-Limiting Self-Regulating Cable



## Self-Limiting **Self-Regulating Cable**



When it comes to heat monitoring equipment, different solutions may be possible.

Dinçel Rezistans offers solutions for the use of heating cables in various sectors such as construction, industry, and even the private sector.

Dinçel offers series heating cables, self-regulating heating cables, constant wattage heating cables, and many other heating elements to meet your needs.

All of our products can be custom produced according to the requested wattage and volt values.

### **Areas of Use**

When it comes to heat monitoring equipment, there are various solutions available. Dinçel Rezistans offers solutions for the use of heating cables in various sectors, including construction, industry, and even the private sector.

### **Technical Specifications**

It varies between 10-50W/MT.

It is produced in the desired power according to the customer's demands.



# Sectors

- ⌚ Cooling and Air Conditioning
- ⌚ Construction and Building
- ⌚ Industry, Petrochemicals, and Healthcare



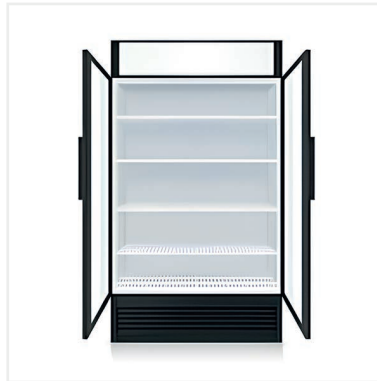


# Cooling and Air Conditioning



Dinçel Flexible Cable Heating Elements are used for many applications in the refrigeration industry.

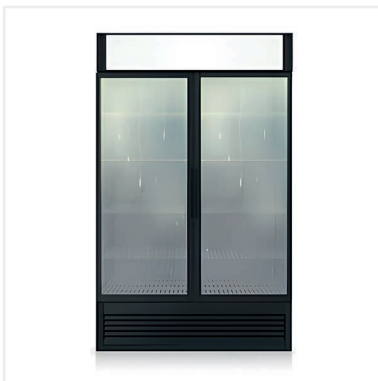
These heating elements are always necessary for the proper operation of the equipment and system, whether installed in cold rooms, refrigerated vehicles, or supermarkets.



Prevent seals from sticking in cooling equipment with cable resistors.



Allow water from defrost cycles to drain using heating cables.



Prevent condensation, icing, or frost formation with Cable Heating Elements.



Ensure that cold room doors do not stick with heating cables.



Allow water from the evaporator defrost cycles to flow.

# Cooling and **Air Conditioning**

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Separate the refrigerant from the oil in the compressor.



Protect liquids against ice in systems cooled by heating cables.





# Construction and Building



People working in the Building and Construction sectors are faced with many situations where it is necessary to maintain constant temperatures.



Prevent water from freezing with heating resistance cables



Keep the water warm using heating cables.



Protect your security and fire systems from freezing with cable resistors.



Stop snow and ice from your roof and gutters with heating cables.



# Industry, Petrochemicals, and Healthcare



In an industrial area, temperature control systems are essential for various production processes.



Maintain constant process temperatures in the petrochemical industry with heating cables.



Facilitate the research and production of new products with heating elements.

The Dinçel product range meets criteria specific to these areas, such as quality, durability, and long life cycle.



Keep food warm with heating elements.



Control the temperature of the adhesives with heating cables.



Use wire resistance for yogurt makers, towel dryers, and portable foot warmers.



**DİNCEL**  
ELEKTROMEKANİK

Turkey's reliable  
**resistance** manufacturer.

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