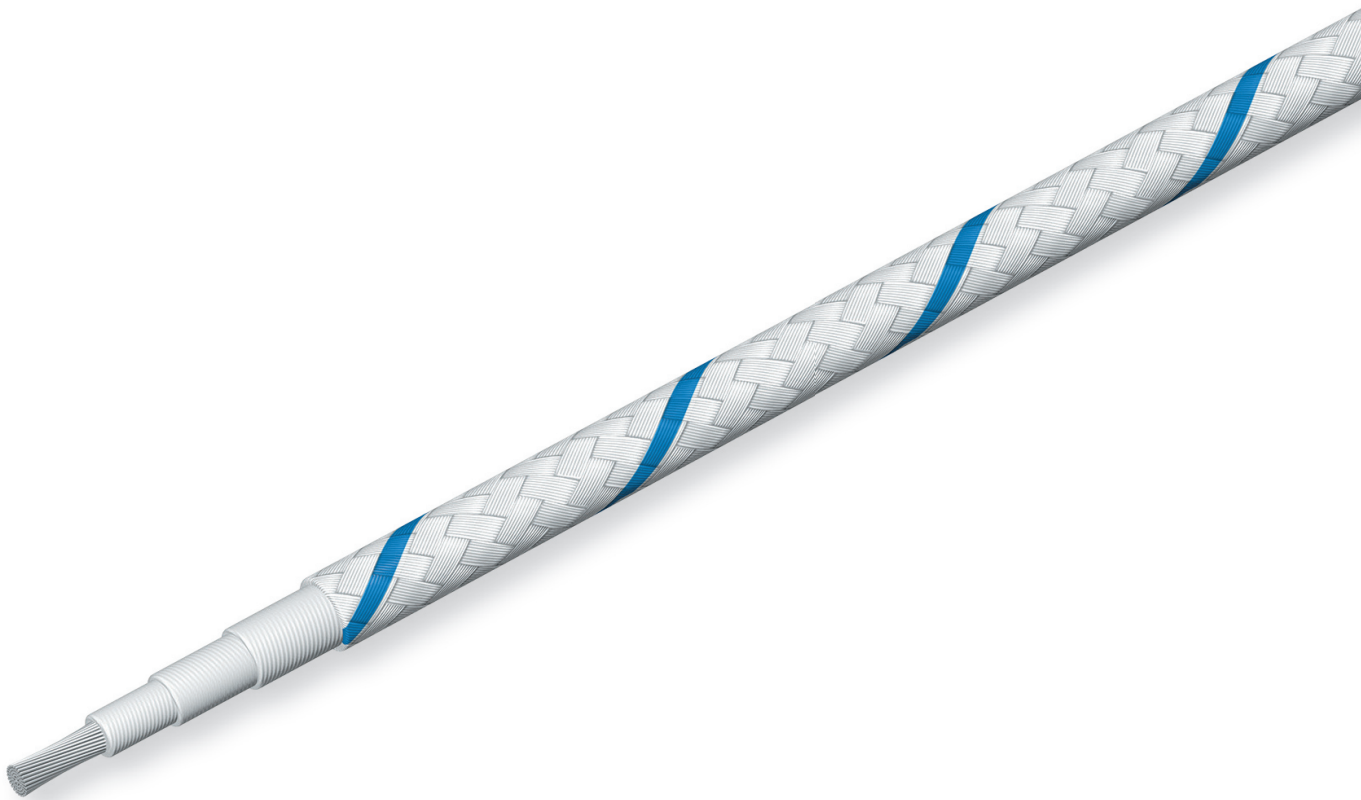


# Cable

GLS cable



# Cable

## GLS cable

### Components

We provide our customers with an extensive portfolio of technically mature products from the field of GLS cables, heating elements, thermal sensors and control technology. Since 1973 we have manufactured in Germany and constantly develop ourselves further.

The manufactured products are usually individually-tailored to the customer – in extremely small unit numbers or in large quantities, at an attractive price. Our core process is organized highly efficiently using our own software, and we provide customer storage in all significant global markets. We work with our own specialists in order to select the best product for our customers.

## Benefits

- Pure nickel conductors are suitable for operation up to 350 °C / 662 °F
- A large number of thin wire standing allows increased flexibility
- Silicone varnish and double glass braid for 100% coverage
- Minimum recommended bending radius fixed 6 x OD

## Features

- Glass insulated pure nickel conductors are suitable for use in very high temperature environments
- Nickel conductors offer high strength and corrosion resistance at elevated temperatures where copper and tinned copper degrade
- The core formed by large number of thin wires are flexible in nature
- Silicone varnish impregnated, glass braided insulation provides excellent abrasion resistance
- A variety of colours available on request
- Certified according to UL and CSA standards

## Electrical specifications

- Operating temperature 0 °C / 32 °F to 350 °C / 662 °F
- Nominal Voltage 300 V / 400 V
- Test Voltage 1,500 V / 2,000 V

## Construction

1. Conductor design Concentric unilay stranding  
Conductor material Nickel, copper, nickel plated copper, tin plated copper

### Conductor specification

CSA [mm <sup>2</sup> ]	Strand conductor – Metric				CSA [AWG]	Strand conductor – Imperial		
	Number of wires	Wire Ø [mm]	Nominal Ø UL/CSA [mm]	Nominal Ø NON UL [mm]		Number of wires	Wire Ø [Inches]	Nominal Ø UL [Inches]
0.22	7	0.20	1.65	1.65	24	7	0.007874	0.06496
0.50	19	0.18	2.25	2.25	20	19	0.007874	0.08858
0.75	19	0.23	2.35	2.35	18	19	0.009055	0.09252
1.00	19	0.26	2.60	2.60	17	19	0.010236	0.10236
1.50	37	0.23	2.90	2.90	16	37	0.009055	0.11417
2.50	37	0.30	3.45	3.45	14	37	0.011811	0.13583

2. Conductor insulation Three layers of counterwise wrapped glass fibres for UL/NON UL type with silicon resin impregnation

3. Braid Glass fibre braid with silicone resin impregnation

## Design

- Natural
- Natural with colored tracer yarns on request

## Delivery package

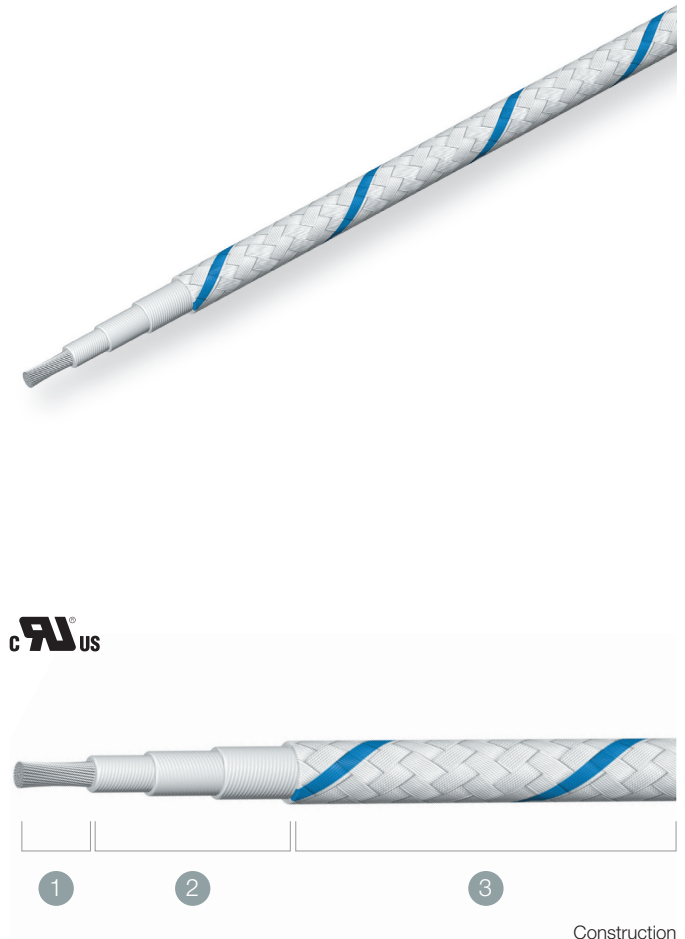
- Spool
- Coil

## General applications

- Industrial heaters
- Industrial furnaces
- Hot runner systems
- Other high ambient temperature environments

## Certification

- UL - Style 5167 / E500828





hotset

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