



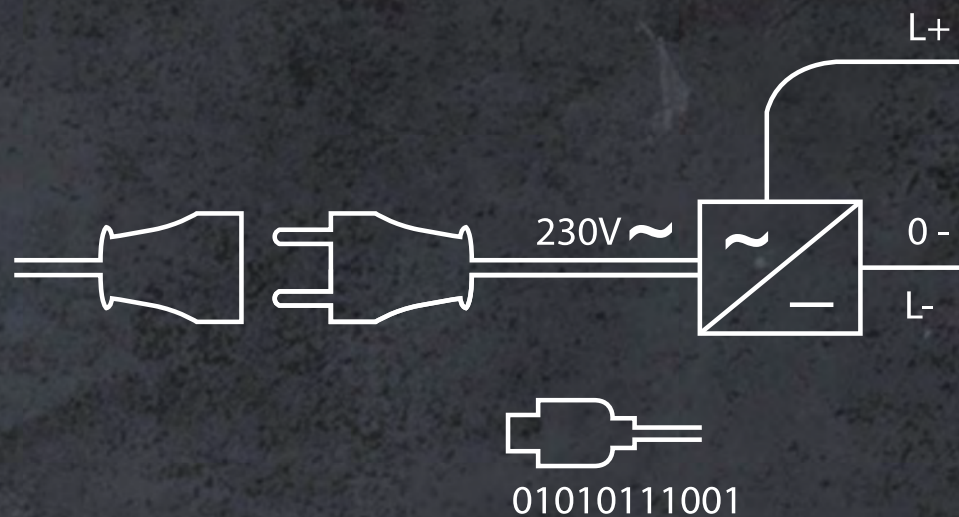
Wire rope +
Power supply,
data transmission
mechanical advantages
combined with
effective power supply



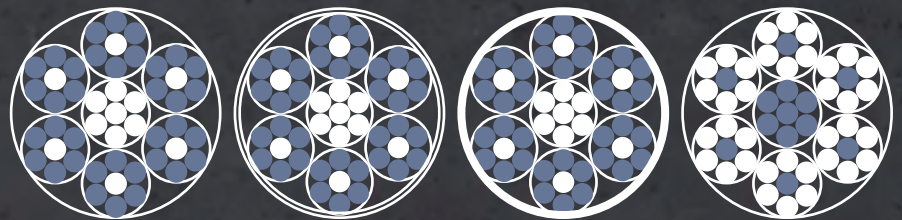
Wire rope + Power supply, data transmission

The wire ropes of the e-rope brand combine the mechanical advantages of conventional steel ropes with an efficient power supply or even reliable data transmission.

They have a low specific resistance, which makes it possible to realize two applications at the same time. Our ropes of the e-rope product line replace the conventional electrical cable and also enable data transmission, e.g. with 2-wire technology. They are robust and have the mechanical properties of a conventional wire rope. Mechanical forces can be absorbed and transmitted.

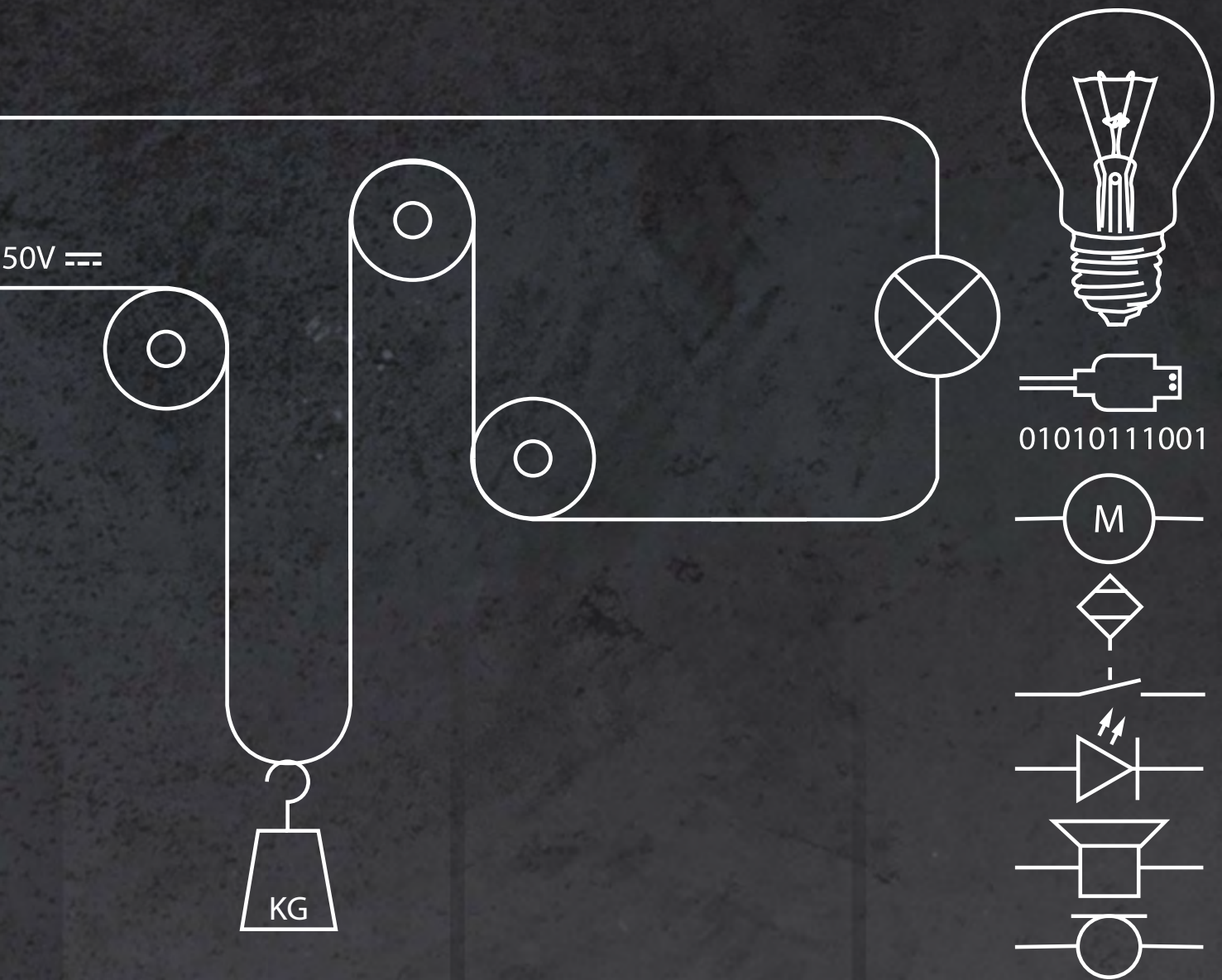


FACTS



Material	Stainless steel + Copper nickel plated	Stainless steel + Copper nickel plated	Stainless steel + Copper nickel plated	Galvanized steel + Copper
Construction	6 x 7 WSC	6 x 7 WSC	6 x 7 WSC	6 x 7 WSC
Coating	-	transparent	black	-
Diameter-Ø in mm	1,0	1,0	1,0	1,8
Coating-Ø in mm	-	1,4	1,4	-
Minimum breaking load in N	450	450	450	1450
Voltage range in V	0-50	0-50	0-50	0-50
Electrical conductivity m / Ω x m²	34,81	34,81	34,81	25,57
IACS* %	62,1	62,1	62,1	45,6
Specific resistance Ω x mm² / m	0,0287	0,0287	0,0287	0,0391
Conductor resistance Ω / m	0,0554	0,0554	0,0554	0,0250
Item No.	SE000608	SE000579	SE000610	SE000525

*IACS = International Annealed Copper Standard



ADVANTAGES

High breaking load

Suitable for absorbing and transmitting mechanical tensile forces.

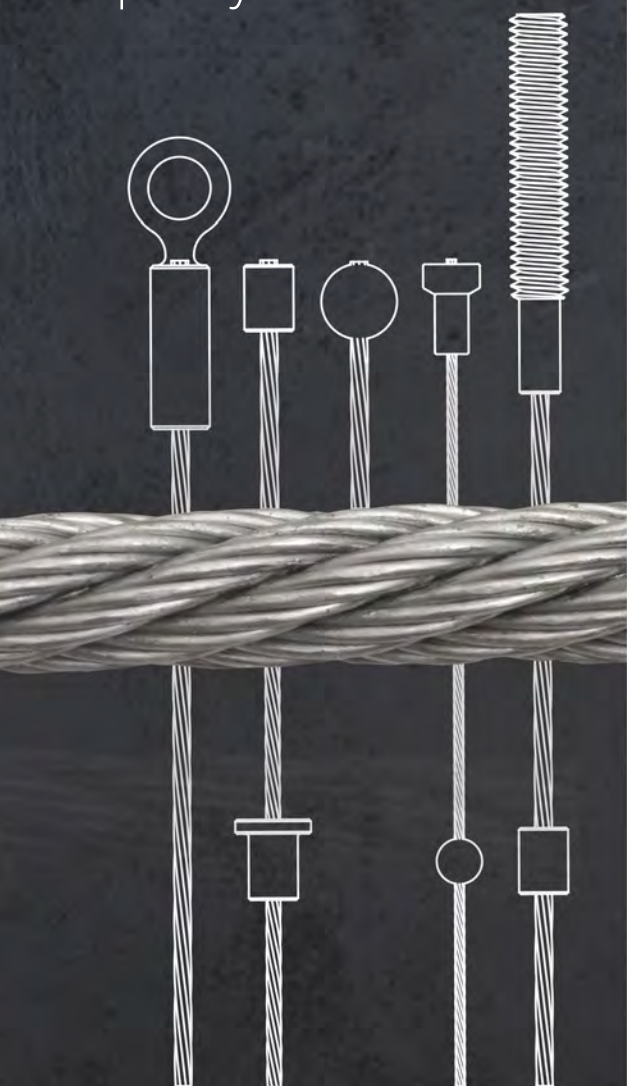
High flexibility

Suitable for guiding over pulleys due to higher resistance to bending cycles.

High conductivity

Suitable for transmission of safety extra-low voltage and for data transmission.

Tradition +
Innovation
Craftsmanship
and expertise
result in products
of the highest
quality



TECHNOCABLES

Carl Stahl Technocables

As a development supplier for rope solutions in the fine rope range from 0.09 - 8.00 mm, we develop individual rope solutions for the most diverse application areas of our customers worldwide. We have been active in the field of technical ropes and strands for decades and are now one of the market leaders in this sector. Development, rope production, manufacturing and administration are located at our headquarters in Suessen. Short distances and a constant exchange between the departments enable us to implement projects promptly. As a traditional company, we stand for quality, service and performance. As a modern development supplier for innovative products.

ROPE FACTORY

In our rope factory we have been manufacturing fine ropes and strands of the highest quality for decades. As part of the Carl Stahl Group since 1880, our ropes meet individual customer requirements and are used worldwide in a wide variety of industries.

Our e-rope variants consist of stainless steel or galvanized steel wires stranded with copper wires, depending on the design. We also offer our e-rope brand ropes with insulating coating. In rope manufacturing, we focus on the highest quality, which is a prerequisite for the longevity of our ropes.

CONFECTION

We can supply the e-rope brand conducting ropes with swaged terminals. These are usually made of brass or copper, so as not to increase the electrical resistance, or of stainless steel and galvanized steel. Terminals made of zamak - fine zinc die casting are also possible.

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