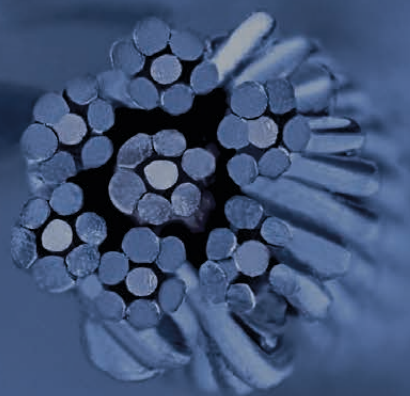


We are going to **GUIDE** you in the right direction.

- ✓ cableless
- ✓ low voltage
- ✓ conducting

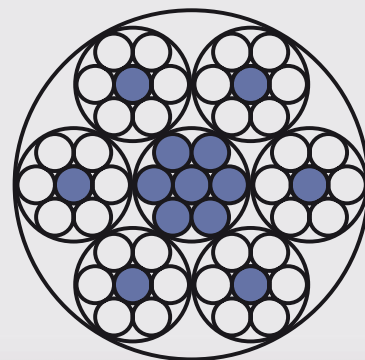


# CONDUCTING WIRE ROPES

e-rope®  
by Carl Stahl Technocables

With the conducting wire ropes from Carl Stahl Technocables you can connect mechanical advantages of steel cables and efficient power supply.

- ✓ high load capacity for all applications
- ✓ low resistance to conventional steel cables
- ✓ due to the flexible cable construction our e-ropes can be run over pulleys



## MECHANICAL PROPERTIES

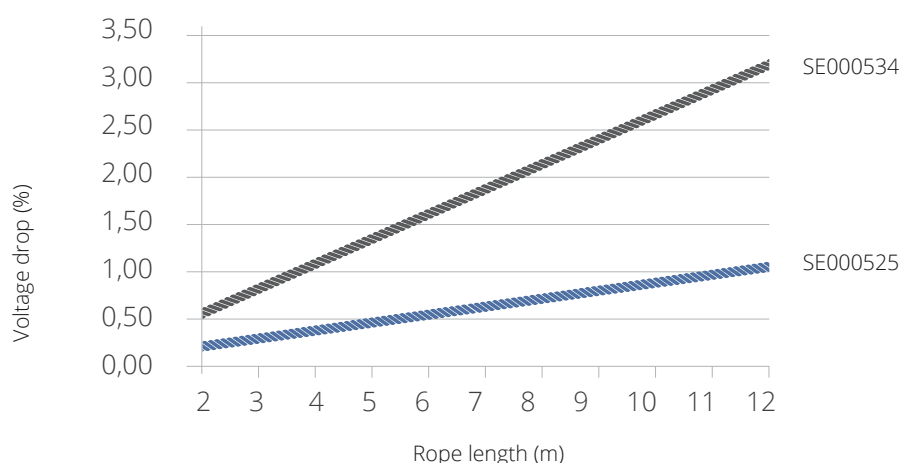
Material:	galvanized steel + copper		
Cable construction:	6 x 7 - WSC		
<b>Part number:</b>	<b>SE000534</b>	<b>SE000525</b>	
Diameter:	1,00	1,80	mm
Minimum breaking load:	650	1450	N

## ELEKTRICAL PROPERTIES

Voltage range:	0 - 50 Volt		
Electrical conductivity:	ca. 25,22	approx. 25,57	$\frac{\text{m}}{\Omega \times \text{mm}^2}$
IACS*:	ca. 45,1	approx. 45,6	%
Specific resistance:	ca. 0,0397	approx. 0,0391	$\frac{\Omega \times \text{mm}^2}{\text{m}}$
Conductor resistance:	ca. 0,0765	approx. 0,0250	$\frac{\Omega}{\text{m}}$

\*IACS = International Annealed Copper Standard

### VOLTAGE DROP (5W / 12V)



# ROPE PRODUCTION

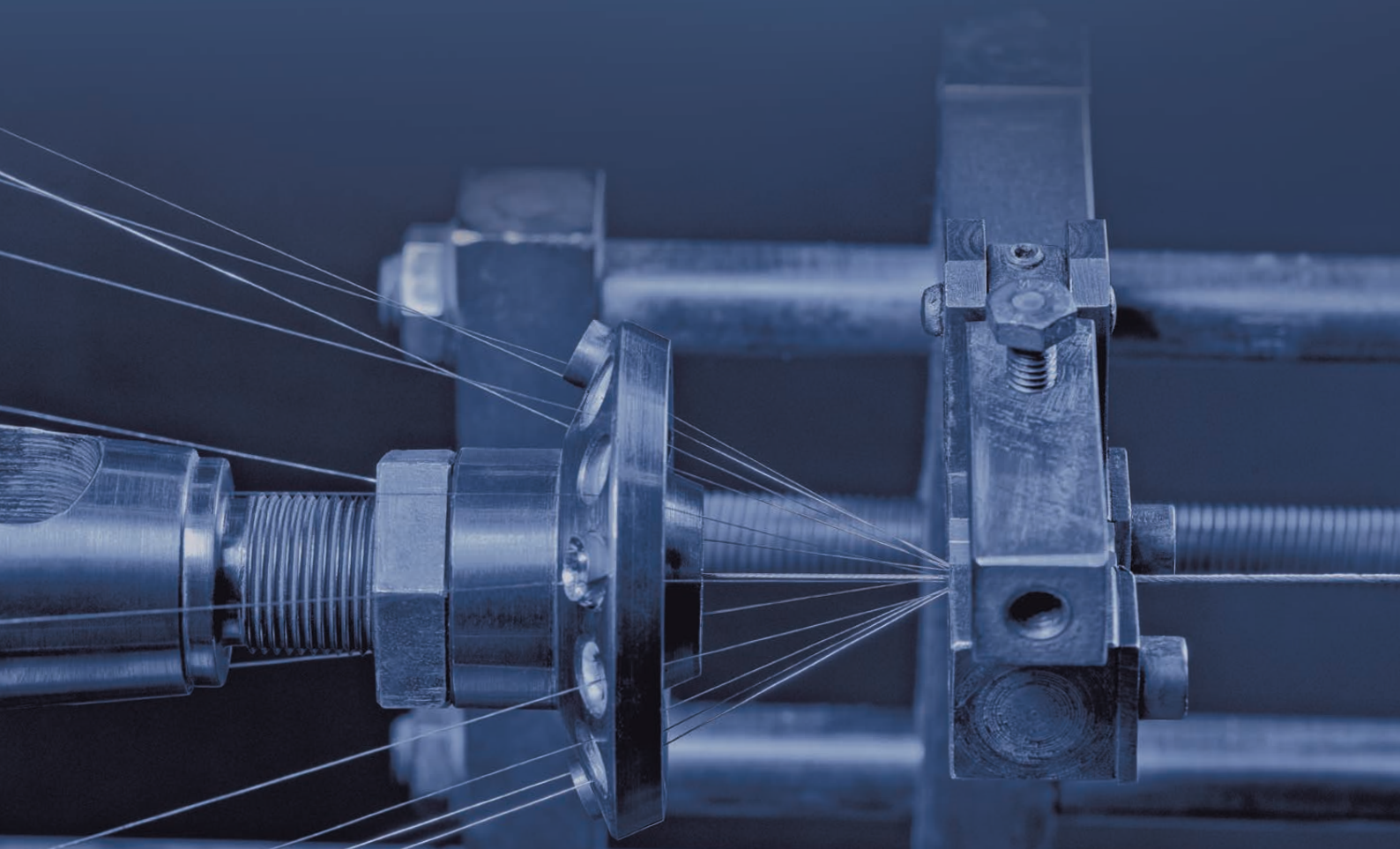


As an established manufacturer and developer, we have an in-house rope production and assembly facility at our headquarter in Suessen.

As a traditional German company with many years of know-how we are your guarantor for certified **QUALITY, SERVICE** and **PERFORMANCE**.

All from one single source:

**DEVELOPMENT, PRODUCTION** and **ASSEMBLY**.



BENEFIT FROM OVER 30 YEARS OF EXPERIENCE IN ROPE PRODUCTION

# ASSEMBLED ROPES

As a development supplier with an in-house research and development department, we assemble ropes according to your specifications.

## SWAGED TERMINALS



Terminations	Dimensions [mm]				For rope number	Part number
	A	B	C	D		
A-Type Terminal (cylindrical stop sleeve)	Ø3,5	5,0	-	-	SE000534	NI000004
	Ø5,2	7,0	-	-	SE000525	NI000008
B-Type Terminal (shank end stop)	Ø3,5	5,0	Ø6,0	6,5	SE000534	NI000029
	Ø5,2	7,0	Ø8,0	8,5	SE000525	NI000031
C-Type Terminal (ball)	Ø3,2	-	-	-	SE000534	KU000007
	Ø4,0	-	-	-	SE000534	KU000005
	Ø4,8	-	-	-	SE000534	KU000008
	Ø4,8	-	-	-	SE000525	KU000013
	Ø6,0	-	-	-	SE000525	KU000014
D-Type Terminal (eyelet)	Ø6,6	-	Ø10,7	-	SE000534/ SE000525	KA000013
E-Type Terminal (thread terminal)	M5	30,0	45,0	SW3,2	SE000534	GE000008
	M5	50,0	65,0	SW3,2	SE000534	GE000009
	M8	30,0	45,0	SW5,0	SE000525	GE000012
	M8	50,0	65,0	SW5,0	SE000525	GE000013

You didn't find your desired end-terminal? Contact us directly.

For more information please scan **QR-Code**

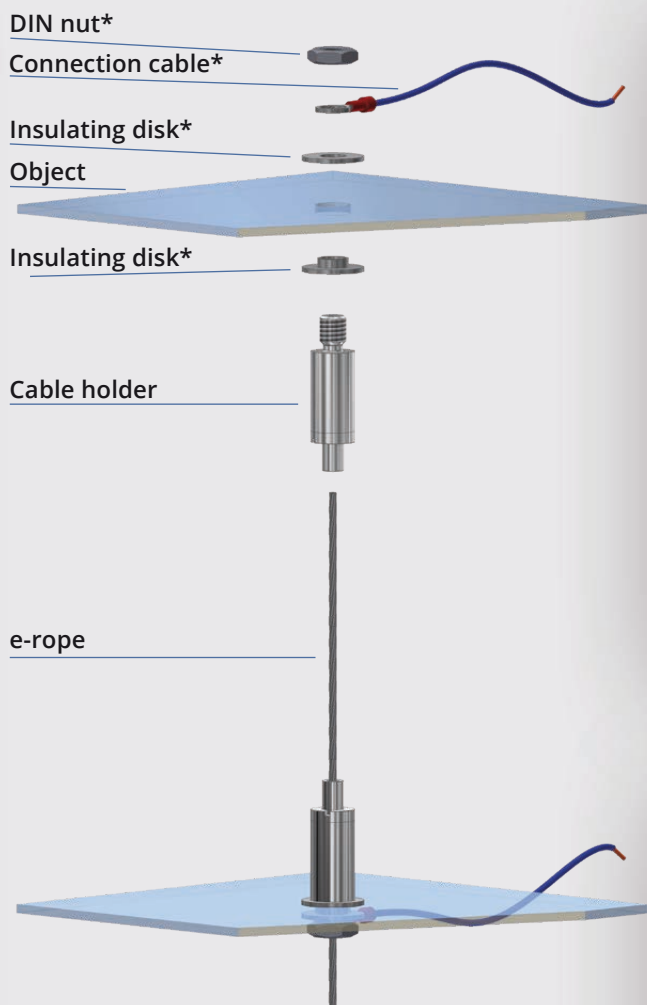




# CABLE HOLDER

## Suitable TÜV-Süd certified cable holders

Further cable holder versions:  
please scan **QR-Code**



The figure shows item number SL000162



### CABLE HOLDER EXTERNAL THREAD

#### Part number

Male thread M6	SL000161
Male thread M5	SL000162

#### With locknut

Male thread M6	SL000182
Male thread M5	SL000183

#### Male thread with straight run out

Diameter:	10 mm
Length:	28 mm
Thread length:	8 mm

### \*INSTALLATION MATERIALS

Due to the individual application possibilities of our e-ropes and in combination with our cable holders, we are able to fulfill the most variant requirements.

We develop YOUR customized, conducting suspension solution.

## WORKLOAD, CABLE TYPE, CABLE DIAMETER

Rope - Ø (mm)	Ø1,00	Ø1,80
galvanized steel, 6 x 7 - WSC	SE000534	SE000525
max. working load (kg)	6	20

Working load of cable holders is specified with safety factor 5:1



TÜV-SÜD certificate from  
Carl Stahl Technocables



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