





HELUTEC®

Signal and Power Connectors

Series overview















Series Туре Number of positions **Connector Style**

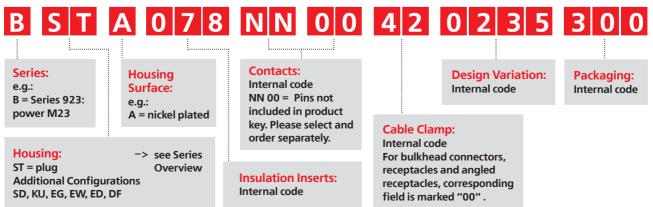
Excerpt from our HELUTEC product range. Online configurator for Connectors: www.helutec.com
= -

power power		or Connec		.helutec.com	Plug (ST)	Angled Plug (SD)	Extension (KV)	Angled Extensio	Receptacle (EG)	Angled Receptae (EW)	Rotatable, Angle Receptacle (ED)	Rotatable, Angle Receptacle (ED)	Bulkhead Conne (DF)	Page
615				12, 15										
615			itec	12, 15										
515			ytec	15 + M12										4
15		minitec		7										
515			locktec	12, 15										
915				9										
915			itec	9										5
15			ytec	9 + 12										3
15			locktec	9										
517	M17			12, 17	-									
517	M17		speedtec	12, 17										6
17	M17		locktec	12, 17										
17	M17			4, 7, 9	-									
17	M17		speedtec	4, 7, 9										
17	M17		locktec	4, 7, 9	_									8
17	M17	singletec		1										
23	M23	size 1		6, 7, 8 + 1, 9, 12, 17, 16 + 3	-					-				
523	M23		speedtec	6, 7, 8 + 1, 9, 12, 17, 16 + 3										40
23	M23		locktec	6,7,8+1,9,12,17,16+3	_									10
23	M23	twintec B		15+4	•		•							
23	M23	size 1		6, 8, 9	•					•				
23	M23		speedtec	6, 8, 9										4.4
23	M23		locktec	6, 8, 9										14
923	M23	singletec		1	•									
723	M23		h-tec	11, 10										16
27		26-pin		26										18
932		twintec		18, 23, 25										
932		twintec 2		19, 24, 26			•							_
40	M40	size 1.5		6, 8, 9	•		•							20
940	M40	size 1.5	speedtec	6, 8, 9										20
58		size 3		6,8										22

Crimping tools	24
Motor, Servo and Feedback Cables – the enhanced TOPSERV® family	26

Product Key

In this brochure you will find the corresponding key codes to construct and order your connector.



HELUKABEL – YOUR ONE HAND SOLUTION SUPPLIER

MADE IN GERMANY

RESEARCH & DEVELOPMENT



We offer optimal, customized solutions for our customers. The focus is on flexible cables for diverse applic-ations. We develop cables that are exceptionally durable and perform under conditions such as extreme chemical, electrical and mechanical stress combined with small bending radii and a high number of bending cycles.



TEST CENTRE

The HELUKABEL® test centre provides a variety of tests including drag chain (bending cycles), fire, durability, etc., to guarantee our high quality standards.





PRODUCTION



Made in Germany since 1988, HELUKABEL® produces cables & wires at our factory in Windsbach near Nuremberg. Currently 340,000 kilometers (212,500 miles) of cables are produced annually. The production and design facility provides expertise in automation, technology, structural engineering and renewable energy.



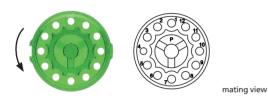


LOGISTICS

HELUKABEL® operates one of Europe's largest state-of-the-art distribution centre for cables and wires. The majority of our 33,000+ products are stocked at our Hemmingen warehouse near Stuttgart/ Germany. Employing a just-in-time strategy, cutting-edge material handling and control technology are used to process thousands of orders. In addition, our fully-automated, small-parts warehouse increases our ability to complete orders as fast as possible for our customers throughout the world.



Insulation Inserts and Contacts



12-pin female (12 x Ø 1 mm)



Not part of product key. Order separately.



Part no. 61.232.11

Female contact Ø 1 mm

slotted, crimping area 0.05 - 0.75 mm²

Product key	
NN 0 0	

Cable Clamps



Integrated seal, anti-twist protection and coaxial screen connection

Product key	Cable clamping range
39	no hole 0.0 mm
31	4.5 - 6.5 mm
32	6.5 - 8.5 mm
33	8.5 - 10.5 mm
3 4	10.5 - 12.0 mm

Extended clamping ranges can be found at: www.helutec.com





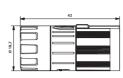








B plastic coated





with lock fastener for automatic locking and insulation insert, 9-pin $\,$

with lock fastener for automatic locking and insulation insert, 15-pin



E S T 0500 300

E S T 0003 300

B plastic coated

Insulation Inserts and Contacts





9-pin female 9 x Ø 1 mm (4 x bis 1.5 mm² (3+PE) + 5 x bis 0.75 mm²)

mating view

15-pin female 15 x Ø 1 mm (12 x bis 0.75 mm² + 3 x bis 1.5 mm²)

205

202

Not part of product key. Order separately.





Part no. 60.252.11 Part no. 60.251.11

Product key



Part no. 60.251.11



Part no. 60.265.11

mating view

Female contact Ø 1 mm

slotted, crimping area 0.05 - 0.75 mm²

slotted, crimping area 0.50 - 1.5 mm²

slotted, crimping area 0.05 - 0.75 mm²

Part no. 60.252.11

slotted, crimping area 0.50 - 1.5 mm²

slotted, crimping area 0.05 - 0.75 mm²

Product key

NN 0 0

Product key

N N O O

Cable Clamps



Integrated seal, anti-twist protection and coaxial screen connection

Product key	Cable clamping range
39	no hole 0.0 mm
31	4.5 - 6.5 mm
32	6.5 - 8.5 mm
33	8.5 - 10.5 mm
3 4	10.5 - 12.0 mm

Extended clamping ranges can be found at: www.helutec.com











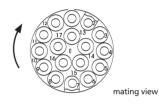




Insulation Inserts and Contacts







17-pin P (17 x Ø 0.6 mm)



876

Not part of product key. Order separately.



Part no. 60.205.11

Female contact Ø 0.6 mm

crimping area 0.14 – 0.5 mm²

NN 0 0

17-pin E (17 x Ø 0.6 mm)

874

Not part of product key. Order separately.



Part no. 61.178.11

Contact pin Ø 0.6 mm

crimping area 0.14 - 0.5 mm²

NN 0 0

Cable Clamps



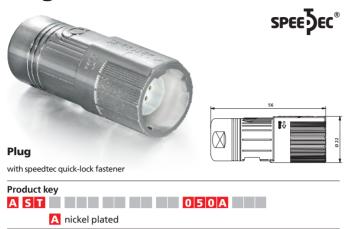
Crown clamp

Integrated seal, anti-twist protection and

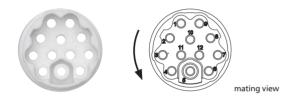
Product key	Cable clamping range
07	no hole 0.0 mm
87	3.5 - 6.0 mm
84	5.5 - 8.0 mm
85	6.0 - 9.5 mm
86	9.5 - 12.0 mm
81	1xø3.5/1xø7.5 mm
80	2x ø 4.5 mm

Additional cable clamps available on request!





Insulation Inserts and Contacts



12-pin P (12 x Ø 1 mm)



Not part of product key. Order separately.



Part no. 60.001.11



Part no. 60.011.11



Part no. 60.172.11

Female contact Ø 1 mm

Wire spring, crimping area 0.14 - 1.0 mm²

slotted, crimping area 0.14 - 1.0 mm²

slotted, crimping area 0.03 - 0.34 mm²

NN 00

Configuration connectors can be found online at: www.helutec.com



Part no. 61.004.11



crimping area 0.14 - 1.0 mm²

Part no. 61.083.11

crimping area 0.03 - 0.34 mm²

NN 0 0

Motor, Servo and Feedback Cables



You want to know more?

Drive technology

HELUKABEL® has an extensive drive technology product range offering cables with the following properties:

- · Optimised overall diameter
- · Low capacitance (for cables used in fixed installations up to 6 mm²)
- · Compatible with all drive manufacturers, uniform core marking
- · Harmonised drag chain suitability













with coupling nut M17 for insulation insert 4-pin

B S T 2 0 2 A

A nickel plated



with speedtec quick-lock fastener for insulation insert 4-pin $\,$

Product key B S T 0 5 6 A A nickel plated

Insulation Inserts and Contacts





mating view

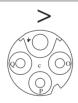
4-pin female P Code 1 4 x Ø 1.5 mm (3+PE)

max. connection cross section 2.5 mm²

Product key

896





mating view

4-pin male E Code 1 4 x Ø 1.5 mm (3+PE)

max. connection cross section 2.5 mm²

Product key

894

Not part of product key. Order separately.



Part no. 60.197.11

Female contact Ø 1.5 mm

crimping area 0.35 – 2.5 mm²

Product key

NN 00

Not part of product key. Order separately.

Part no. 61.167.11

Contact pin Ø 1.5 mm

crimping area 0.35 – 2.5 mm²

Product key

NN 00

Cable Clamps



Crown clamp

Integrated seal, anti-twist protection and coaxial screen connection

Product key	Cable clamping range
87	3.5 - 6.0 mm
85	6.0 - 9.5 mm
86	9.5 - 12.0 mm

Extended clamping ranges can be found at: www.helutec.com















with coupling nut M17 for insulation insert 7/9-pin

B S T 2 0 1 A

A nickel plated



with speedtec quick-lock fastener for insulation insert 7/9-pin

Product key B S T 0 5 5 A

A nickel plated

Insulation Inserts and Contacts





mating view

mating view

Not part of product key. Order separately.







Part no. 60.001.11

Part no. 60.172.11

Part no. 60.011.11

7-pin female P Code 3 4 x Ø 1.5 mm (3+PE)

max. connection cross section 1 mm²

Product key

861

Female contact Ø 1 mm

slotted, crimping area 0.03 - 0.34 mm²

slotted, crimping area 0.14 – 1.0 mm²

Product key

NN 00

wire spring, crimping area $0.14 - 1.0 \text{ mm}^2$

Not part of product key. Order separately.

Not part of product key. Order separately.







Part no. 60.159.11

Female contact Ø 1 mm wire spring, crimping area $0.5-1.5\ mm^2$ Female contact Ø 0.6 mm slotted, crimping area 0.03 - 0.34 mm²

Product key

NN 0 0

9-pin female P Code 3 4 x Ø 1 mm (3+PE) + 5 x Ø 0.6 mm

max. connection cross section 1.5 mm²

Product key

876

Cable Clamps



Crown clamp

Integrated seal, anti-twist protection and coaxial screen connection

Product key			Cable clamping range
	8 7		3.5 - 6.0 mm
	8 5		6.0 - 9.5 mm
	8 6		9.5 - 12.0 mm

Extended clamping ranges can be found at: www.helutec.com Special codes: P+E- turning directions possible!

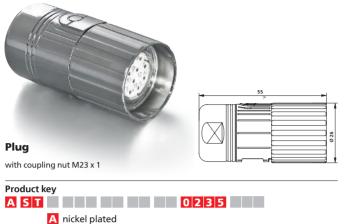


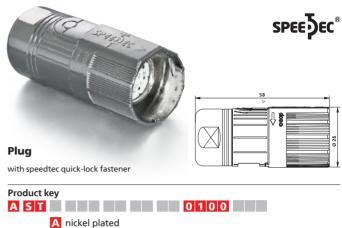












Insulation Inserts and Contacts



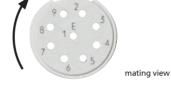
9-pin P (9 x Ø 1 mm)

uncoded

Product key

mating view

055

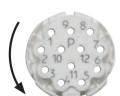


9-pin E (9 x Ø 1 mm)

uncoded

Product key





mating view



12-pin E (12 x Ø 1 mm)

12-pin P (12 x Ø 1 mm)

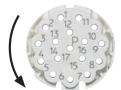
uncoded

Product key

020

uncoded





17-pin P (17 x Ø 1 mm)

uncoded

mating view

17-pin E (17 x Ø 1 mm)

uncoded

Product key 035 Product key



mating view











Not part of product key. Order separately







Part no. 60.004.11





Part no. 60.001.11 Part no. 60.011.11 Part no. 60.013.11

Part no. 60.172.11

Female contact Ø 1 mm

wire spring, crimping area 0.14 - 1.0 mm²

slotted, crimping area 0.14 - 1.0 mm²

wire spring, solder bucket 1.5 mm²

slotted, solder bucket 1.5 mm²

slotted, crimping area 0.03 - 0.34 mm²

Product key

NN 0 0

Product key

NN 0 0

Not part of product key. Order separately







Part no. 61.004.11

Part no. 61.083.11

Contact pin Ø 1 mm

crimping area

solder bucket

crimping area 0.03 - 0.34 mm²

Product key

NN 0 0

Configure other designs online: www.helutec.com





www.helutec.com















Insulation Inserts and Contacts



mating view

16+3-pin P (16 x Ø 1 mm + 3 x Ø 1.5 mm)

coded

5 5 8



16+3-pin E (16 x Ø 1 mm + 3 x Ø 1.5 mm)

coded

5 5 9

Not part of product key. Order separately.









Part no. 60.001.11

Part no. 60.011.11

Part no. 60.004.11

Part no. 60.013.11

Part no. 60.172.11

Female contact Ø 1 mm

wire spring, crimping area 0.14 - 1.0 mm²

slotted, crimping area 0.14 - 1.0 mm²

wire spring, solder bucket

slotted, solder bucket 1.5 mm²

Product key

slotted, crimping area 0.03 - 0.34 mm²

NN 00

Product key

NN 00

Not part of product key. Order separately.





Part no. 60.070.11

Part no. 60.173.11

Female contact Ø 1.5 mm

slotted, crimping area

slotted, solder bucket

0.24 - 1.0 mm² 1.5 mm²

Not part of product key. Order separately.

Product key

NN 00

Not part of product key. Order separately,









Contact pin Ø 1.5 mm



Part no. 61.004.11

Part no. 61.006.11

Part no. 61.083.11

Part no. 61.072.11

Part no. 61.152.11

Contact pin Ø 1 mm

crimping area 0.14 - 1.0 mm² solder bucket 1.5 mm²

crimping area 0.03 - 0.34 mm²

crimping area 0.24 - 1.0 mm² solder bucket 1.5 mm²

Product key

NN 00

Product key

NN 00



Cable Clamps



Crown clamp

Integrated sealing, anti-twist protection and coaxial screen connection.

Product key	Cable clamping range
38	3.5 - 5.6 mm
39	4.5 - 8.5 mm
41	6.0 - 10.0 mm
40	9.0 - 13.2 mm
73	9.0 - 14.7 mm



Lamella clamp

Integrated sealing, anti-twist protection and coaxial screen connection.

Product key	Cable clamping range
09	3.5 - 5.6 mm
60	4.5 - 8.5 mm
62	6.0 - 10.0 mm
61	9.0 - 13.2 mm
76	9.0 - 14.7 mm

Widely extended cable clamping assortment:

- no hole (blank)
- button seals
- 2-hole seals
- 3-hole seals
- 4-hole seals

Available on request!

... it couldn't be easier!



ytec and the single-variant itec represents an ultra-compact, complete system with a self-locking quick fastener for easy and safe connections.

The mechanical housing codings combined with the color markings guarantee error-free connections.

















Insulation Inserts and Contacts



A nickel plated

mating view

6-pin P (6 x Ø 2 mm (5+PE))

coded

Product key

085



8-pin P (4 x Ø 2 mm (3+PE) + 4 x Ø 1 mm)

A nickel plated

coded

Product key

078



mating view



9-pin B P (4 x Ø 2 mm (3+PE) + 5 x Ø 1 mm)

coded

Product key

coded

9-pin P (4 x Ø 2 mm (3+PE) + 5 x Ø 1 mm)

082

Product key

200

Not part of product key. Order separately.



Product key

Part no. 60.254.11



Part no. 60.302.11

Female contact Ø 2 mm

tension spring, crimping area tension spring, crimping area

0.35 - 2.5 mm² 2.5 - 4.0 mm²

NN 00



Part no. 60.003.11

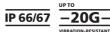
Part no. 60.023.11

wire spring, crimping area 0.35 - 2.5 mm²

wire spring, crimping area 2.5 - 4.0 mm²

Product key













Not part of product key. Order separately.





Part no. 60.172.11

Part no. 60.001.11

Female contact Ø 1 mm

slotted, crimping area

wire spring, crimping area

Product key

NN 00





Part no. 60.011.11

Part no. 60.216.11

slotted, crimping area 0.14 - 1.0 mm²

slotted, crimping area 0.5 - 1.5 mm²

Product key

NN 00

Configuration connectors available online: www.helutec.com

Cable Clamps



Crown clamp

Integrated seal, anti-twist protection and coaxial screen connection

Product key	Cable clamping range
43	4.2 - 6.6 mm
4 8	7.5 - 12.0 mm
42	9.5 - 14.5 mm



Lamella clamp

Integrated seal, anti-twist protection and coaxial screen connection

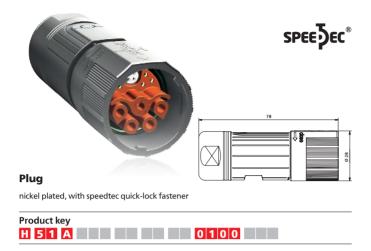
Product key				Cable clamping range
		1 1		4.2 - 6.6 mm
		5 5		7.5 - 12.0 mm
		5 8		9.5 - 14.5 mm
		5 9		14.0 - 17.0 mm

Cable clamps in the form of:

- Button seals
- Crown clamps
- Lamella clamps

Each available on request as multi-hole or no-hole clamps!





Insulation Inserts and Contacts



mating view

11-pin female P Code 1 (5 x Ø 2 mm (4 + PE) + 6 x Ø 1 mm)



Product key

mating view

11-pin male E Code 1 (5 x Ø 2 mm (4 + PE) + 6 x Ø 1 mm)

008



Not part of product key. Order separately.



Part no. 60.270.11



Part no. 60.272.11

Female contact Ø 2 mm

slotted, crimping area 0.35 - 2.5 mm²

slotted, crimping area 2.5 - 4.0 mm²

Part no. 61.242.11

crimping area 0.35 - 2.5 mm²



Part no. 61.243.11

NN 00 NN 00

Not part of product key. Order separately.



Female contact Ø 1 mm

slotted, crimping area 0.14 - 1.0 mm²

NN 0 0

Contact pin Ø 2 mm

crimping area 2.5 - 4.0 mm²

Not part of product key. Order separately.

Not part of product key. Order separately.



Part no. 61.253.11

Contact pin Ø 1 mm

crimping area 0.14 - 1.0 mm²

Product key		
	N N 0 0	l

11-pin option available:





mating view

Part no. 40.A487.00

Part no. 40.A486.00



mating view

Ethernet Element Cat-5, 4-pin, Female P4 x Ø 0.6 mm

Insulation insert 4-pin in metal screening sleeve

Product key

002 NN 00



0 0 8 NN 0 0

Insulation insert 4-pin in metal screening sleeve

Ethernet Element Cat-5, 4-pin, Stift E 4 x Ø 0.6 mm



Part no. 60.278.11



Female contact Ø 0.6 mm for Ethernet Element Ø 0.6 mm

slotted, crimping area 0.03 - 0.34 mm²

Product key

Contact pin Ø 0.6 mm for Ethernet Element Ø 0.6 mm

slotted, crimping area 0.03 - 0.34 mm²

Product key



Cable Clamps



Crown clamp

Integrated seal, anti-twist protection and coaxial screen connection

Product key	Cable clamping range
48	7.5 - 12.0 mm
42	9.5 - 14.5 mm



Lamella clamp

Integrated seal, anti-twist protection and coaxial screen connection

Product key	Cable clamping range
5 5	7.5 - 12.0 mm
58	9.5 - 14.5 mm
59	14.0 - 17.0 mm

Cable clamps in the form of:

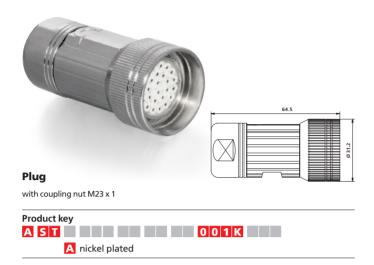
- Button seals
- Crown clamps
- Lamella clamps

Each available on request as multi-hole or no-hole clamps!

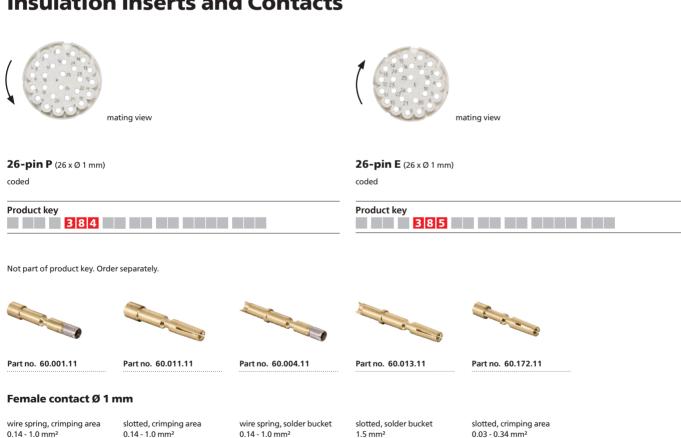








Insulation Inserts and Contacts





Product key

NN 0 0

Product key

NN 00











Not part of product key. Order separately.







Part no. 61.004.11

Part no. 61.006.11

Part no. 61.083.11

Contact pin Ø 1 mm

crimping area 0.14 - 1.0 mm²

solder bucket 1.5 mm²

crimping area 0.03 - 0.34 mm²

Product key

NN 0 0

Cable clamps in the form of:

- Crown clamps
- Lamella clamps

Each available on request as multi-hole or no-hole clamps!

Cable Clamps



Crown clamp

Integrated seal, anti-twist protection and

Product key	Cable clamping range
43	4.2 - 6.6 mm
48	7.5 - 12.0 mm
42	9.5 - 14.5 mm



Lamella clamp

Integrated seal, anti-twist protection and coaxial screen connection

Product key	Cable clamping range
11	4.2 - 6.6 mm
55	7.5 - 12.0 mm
58	9.5 - 14.5 mm
59	14.0 - 17.0 mm



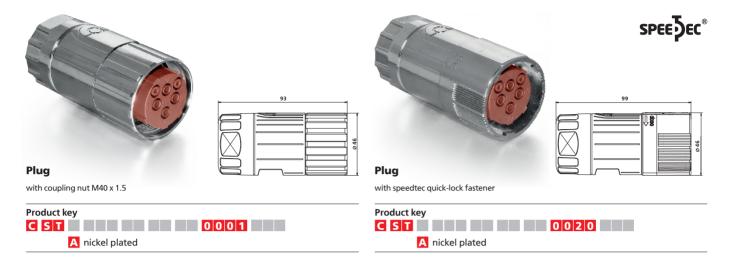












Insulation Inserts and Contacts



6-pin P 4 x Ø 3.6 mm (3+PE) + 2 x Ø 2 mm





8-pin P 4 x Ø 3.6 mm (3+PE) + 4 x Ø 2 mm





9-pin P 4 x Ø 3.6 mm (3+PE) + 5 x Ø 2 mm

Product key						
	2 6 5					



Not part of product key. Order separately.

Female contact Ø 2 mm

Part no. 60.003.11

0.35 - 2.5 mm²

Product key

wire spring, crimping area



Part no. 60.023.11

2.5 - 4.0 mm²

NN 00

wire spring, crimping area





Not part of product key. Order separately.





Part no. 60.227.11

Female contact Ø 3.6 mm

slotted, crimping area 0.15 - 10 mm²

slotted, crimping area 6.0 - 16.0 mm²

Product key

NN 0 0

Not part of product key. Order separately.



Part no. 60.254.11



Part no. 60.302.11

Female contact Ø 2 mm

tension spring, crimping area 0.35 - 2.5 mm²

tension spring, crimping area

Product key

NN 0 0

Configuration connectors available

online: www.helutec.com

Cable Clamps



Crown clamp

Integrated seal, anti-twist protection and coaxial screen connection

Product key	Cable clamping range
03	7.0 - 9.0 mm
44	9.0 - 16.0 mm
45	16.5 - 25.5 mm

Cable clamps in the form of:

- Crown clamps
- Lamella clamps

Each available on request as multi-hole or no-hole clamps!





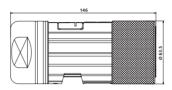








SPEE DEC®



with coupling nut M58 x 2 and integrated anti-vibration o-ring

Product key

D S T 0 0 1 N N 0 0 7 4 0 0 0 1 0 0 0

A nickel plated

Insulation Inserts and Contacts



8-pin (4 x Ø 10 mm + 4 x Ø 1.6 mm)

coded

Product key

001

Not part of product key. Order separately.



Part no. 60.101.23



Part no. 60.102.23



Part no. 60.103.23



Part no. 60.104.23



Part no. 60.105.23

Female contact Ø 10 mm

crimp connection 10 mm²

crimp connection 16 mm²

crimp connection 25 mm²

crimp connection 35 mm²

crimp connection 50 mm²

NN OO

NN 00

Not part of product key. Order separately.



Part no. 60.106.11

Female contact Ø 1.6 mm

slotted, crimping area 0.35 - 1.5 mm²

Product key

NN 0 0









Cable Clamps



Crown clamp

Integrated seal, anti-twist protection and coaxial screen connection

Cable clamping range Product key 7 4 17.0 - 36.0 mm

Cable clamps in the form of:

- Crown clamps
- Lamella clamps

Each available on request as multi-hole or no-hole clamps!



Crimping Tools



Crimp Tool, small

For Ø 1 mm contacts, max. wire gauge 1.5 mm 2 , includes positioner. Complete with positioning insert.



Crimp Tool, small

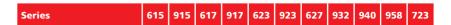
For Ø 0.6 mm contacts, max. wire gauge 1.0 mm², includes positioner. Complete with positioning insert.



Part no. C0.201.00

Crimp Tool, mid-size

For Ø 1 mm and Ø 2 mm contacts, max. wire gauge 4 mm², includes positioner.



Crimp Tool									
C0.101.00	with Positioning Insert	•	•	•	•		•		

Crimp Tool	, small						
C0.231.00	with Positioning Insert		•				

Crimp Tool,	mid-size						
C0.201.00							
	Positioning Insert						
	C0.258.00						
	C0.003.00						
	C0.121.00						
	C0.229.00						
	C0.048.00						
	C0.012.00						
	C0.004.00						
	C0.252.00						
	C0.009.00						
	C0.124.00						
	C0.094.00						
	C0.093.00						
	C0.092.00						
	C0.138.00						

Crimp Tool, large												
C0.008.00												
	Positioning Insert											
	C0.249.00											
	C0.010.00											
	C0.247.00											

Akku Crimp Tool											
C0.207.00											
	Crimping Insert										
	C0.211.00										
	C0.210.00										
	C0.209.00										
	C0.208.00										



Crimp Tool, large

For $\ensuremath{\text{\emptyset}}$ 3.6 mm contacts, max. wire gauge 16 mm², includes positioner.



Part no. C0.207.00

Rechargeable Battery - Crimp Tool B132

For Ø 10.0 mm contacts, max. wire gauge 50 mm².



Crimping Tools

Positioning Insert for C0.201.00 for Ø 1.0 mm Contacts









Pliers

C0.101.00

C0.231.00

C0.201.00

Positioning Inserts

with Positioning Insert

with Positioning Insert

C0.258.00

C0.003.00

C0.121.00

C0.229.00

C0.048.00

C0.012.00

C0.004.00

C0.252.00

C0.009.00

C0.124.00

C0.094.00

C0.093.00

C0.092.00

C0.138.00

C0.249.00

C0.010.00

C0.247.00

C0.008.00

Sockets

60.001.11

60.011.11

60.159.11

60.172.11

60.205.11

60.251.11

60.252.11

60.265.11

60.001.11

60.011.11

60.159.11

60.197.11

60.070.11

60.012.11

60.003.11

60.023.11

60.254.11

60.302.11

60.216.11

60.012.11

61.098.11

61.107.11

61.108.11

61.109.11

60.204.11

60.106.11

60.272.11

60.240.11

60.232.11

60.225.11

60.227.11

61.195.11

Pins

61.004.11

61.083.11

61.141.11

61.178.11

61.231.11

61.232.11

61.239.11

61.004.11

61.009.11

61.054.11

61.141.11

61.167.11

61.072.11

61.008.11

61.010.11

61.021.11

61.022.11

61.023.11 61.055.11 61.193.11

61.194.11 61.216.11

61.189.11

61.020.11

61.021.11

61.027.11

61.197.11 61.198.11

61.204.11 61.205.11

61.176.11 61.142.11

61.117.11

61.243.11

61.220.11

61.215.11

61.039.11

61.040.11 61.073.11 61.074.11

61.202.11

Part no. C0.258.00 Part no. C0.003.00

Part no. C0.121.00

for Ø 1.6 mm Contacts

Part no. C0.252.00

for Ø 1.5 mm Contacts







Part no. C0.229.00 Part no. C0.048.00 Part no. C0.094.00 Part no. C0.093.00 Part no. C0.092.00

for Ø 2 mm Contacts









for Ø 2.5 mm Contacts

Positioning Insert for C0.008.00 for Ø 3.6 mm Contacts









Part no. C0.124.00

Part no. C0.249.00

Part no. C0.247.00

Part no. C0.247.00

Crimping Inserts for C0.207.00











Part no. C0.208.00

Part no. C0.211.00

crimping area 10.0 mm² / 16.0 mm²

crimping area 25.0 mm²

Part no. C0.210.00

Part no. C0.209.00 crimping area 35.0 mm²

crimping area 50.0 mm²

61.196.11 61.203.11 **Pliers Crimping Inserts** Sockets **Pins** C0.207.00 C0.211.00 60.101.23 61.112.23 60.102.23 61.113.23 C0.210.00 60.103.23 61.114.23 C0.209.00 60.104.23 61.115.23 C0.208.00 60.105.23 61.116.23

- kink protection
- metal flange
- caps
- assembly tools
- pick and place

and other accessories available on request!



The enhanced TOPSERV® family – new and improved!

What is new?

- **TOPSERV® 109 SINGLE:** screened, halogen-free, highly flexible single core; suitable for use in drag chains
- TOPSERV® HYBRID PUR: highly flexible servo cable; suitable for use in drag chains with an additional screened signal pair for transmission of feedback signals where single-cable solutions are required
- TOPSERV® HYBRID PVC: cost-effective alternative to TOPSERV® HYBRID PUR where flexibility and limited use in drag chains is required

What has been improved?

We have optimised our family of servo cables for use in drag chains in terms of both their design and performance:

- · Optimised overall diameter
- **Low capacitance** (for cables used in fixed installations up to 6 mm²)
- · Compatible with **all drive manufacturers**, uniform core marking
- · Harmonised drag chain suitability

		Single core	4 cores (3+g/y) without additional signal pair	4 cores (3+g/y) + 1 additional signal pair	4 cores (3+g/y) + 2 additional signal pairs	
	without UL / CSA			TOPSERV® 110 according to Siemens standard 6FX2008	TOPSERV® 120	
e.g, for use in drag chains	UL / CSA	TOPSERV® 109 Single screened single core for screw drives	TOPSERV® 109 according to Siemens standard 6FX8008Plus	TOPSERV® 113 according to Siemens standard 6FX8008Plus, Lenze standard etc.	TOPSERV® 121 according to Bosch Rexroth standard	
					TOPSERV® Hybrid PUR (for motors with single- cable solution)	
FLEXIBLE	UL / CSA		TOPSERV® 108 according to Siemens standard 6FX5008	TOPSERV® 112 according to Siemens standard 6FX5008, Lenze standard	TOPSERV® 119 similar to Bosch Rexroth standard	
limited use in drag chains					TOPSERV® Hybrid PVC (for motors with single- cable solution)	

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Note

Technical alternations

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Safety instructions

The cables, wires and cable accessories described in this brochure are manufactured in accordance with domestic and international standards as well as in-house standards. Adherence to valid safety guidelines, standards and legal regulations is provided for application safety. Product specific dangers can be excluded assuming a proper and professional installation and usage is guaranteed. For each product, this catalog describes general information for usage. Independent of the above, the specifications of the appropriate DIN VDE specifications are valid. However, the installation and processing can only be performed by professional electricians.

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Fast ... Safe ... Compatible.

speedtec receptacles are compatible with speedtec plugs as well as standard coupling nut connectors.



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