

QUALITY THAT CONNECTS.

Pre-assembled cables and cords

Data cables

Connecting and control cables

Screened cables



Our guiding principle: Quality

SP-Antriebstechnik GmbH is the newest member of the Speck Group, based in Roth in Germany. Our guiding principle is to produce products of the highest quality on machines, systems and test equipment according to customer requirements.

Quality assurance

- » Pull-off test using pull tester
 - » Measuring range 200 to 1,000 N
 - » 4 pulling speeds
 - » With software-based analysis
- » Crimp height measuring device
 - » Resolution 0.001 mm with constant measuring force
 - » With software-based analysis
- » Micrograph analysis
 - » Electrolyte staining process
 - » With software-based analysis
 - » Automatic crimping tools with crimp quality monitoring

Certification

- » On request



Quality assurance using state-of-the-art testing equipment such as pull testers and micrograph analysis

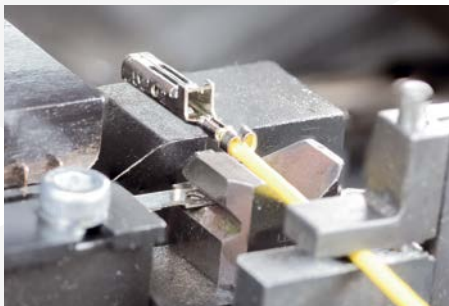










Our speciality: Cables for diverse applications

We produce ready to connect pre-assembled electrical cables in a wide range of designs. Our pre-assembled cables are ready for use immediately and can be directly connected.

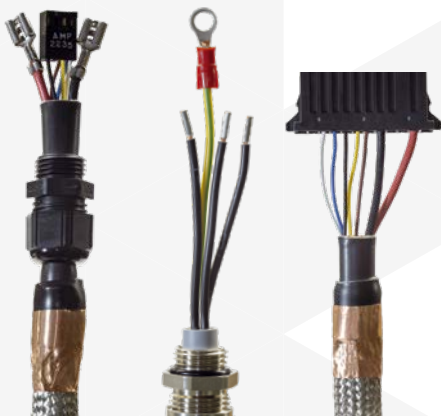
Data cables, connecting and control cables, and screened cables

- » Cable assembly
 - » With lengths from 0.2 m to 10 m
 - » Cross-section range from 0.14 mm² to 6.0 mm²
- » Crimp connections in compliance with DIN EN 60352-2, VW 60334
- » Cutting of cables, wires, insulating hoses, shrink hoses and shielding braids
- » Working on one or both ends



-  Cutting cables and wires to length
-  Partial and full insulation stripping
-  Sectional insulation stripping
-  Extremely long stripping in multiple stages
-  Stripping of multi-wire cables
-  Notching and longitudinal cuts
-  Stripping with protective cap for screen insulation
-  Multi-stage stripping

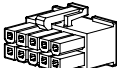
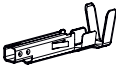
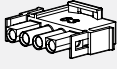
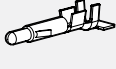

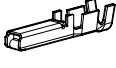
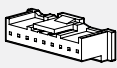

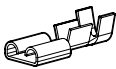

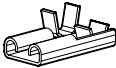
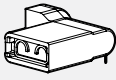

- » Assembly with wire end ferrules, ring cable lugs, blade connectors, blade receptacles, angled connectors, specific connector contacts etc.
- » Preparation of screen connections using copper strip or similar
- » Twisting and tinning of individual wires





Connectors and contact types for automatic processing

Selection from product range, other types on request

Connector	Manufacturer designation	Contact	Manufacturer designation	Cross-sections / mm ²
	MOLEX 39-01-2100		MOLEX 39-00-0038	0.34 - 0.821
	MATE-N-LOK CONNECTOR HOUSING 4-PIN / TE 350779-4		MATE-N-LOK PIN / 0,5-2,1MM2 / TE 926883-1 926882-1	0.5 - 2.1
	TE CONNECTIVITY 87631-4		TE CONNECTIVITY 1-917484-2 TE CONNECTIVITY 1-175195-2	1.23 - 2.27 0.2 - 0.6
	JST / PA FAMILY SERIES / PAP-09V-S		JST / SPHD-001T-P0.5	0.13 - 0.34
			TE CONNECTIVITY 4-160256-2	1.0 - 2.5
			TE CONNECTIVITY 3-770060-1	0.8 - 1.0
			TE CONNECTIVITY 1-280050-2	0.5 - 1.5
			TE CONNECTIVITY 3-520132-2	1.31 - 2.08
			TE CONNECTIVITY 2-34148-1	0.26 - 1.65