



ROTRONIK

Immer am Puls der Zeit



Gemäß Herstellerangaben

specialcable – elektronik – special production



Rotronik-Kabel, Owner Petra Malterer
Marienberger Str. 6
D-83135 Schechen
Tel. +49 8039-9097188
Fax.+49 8039-9097189
Mail: info@rotronik-kabel.de
Web: www.rotronik-kabel.com

customade cables within 20-25 Days
minimum order quantity 500 / 1000m
more than 100 prototypes each year



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Company Presentation



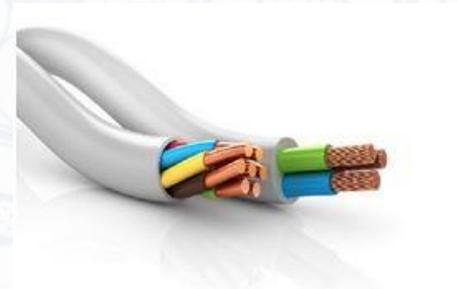
Company Description

The company ROTRONIK, owner Udo Rösch, was founded in 1999 and is located in D-83052 Bruckmühl approx. 45 km southeast of Munich, at the heart of the high-tech, computer and electronics industry. Our company operates worldwide. The many well-known customers appreciate the pragmatic solutions that are implemented with the technology and development departments of our customers.

Special – Miniaturcable

together we develop customer-specific cable solutions. Our specialty is the production of cables with a very small outer diameter and migration-resistant jacket materials for use in medical-, and sensor technology.

PTFE + FEP + ETFE - cables in extruded and banded design
from AWG 40 (0.005 mm²) to AWG 10 (4.85 mm²) are our strengths Speciality



Connectors

Since 2019 we also offer various plug connections, which are compatible with many well-known manufacturers. e.g. Lemo, Fischer Connectors, Yamaishi, ODU and others

special cables / manufacturing capabilities



Train + Railway



Aerospace + Aircraft



Port + Shipping



Industry / Robotics

	Durchmesser min.	Durchmesser max.
cablediameter	0.8 - 0.9mm	55-66mm
Screen materials		
• copper braid	1 – 1.2mm	33mm
• steel braid	2mm	34mm
• Spiral braid	0.8-0.9mm	33mm
cable cross section	0,08mm ²	120mm ² (Einadrig) 95mm ² (Mehradrig)

**customade cables
within 20-25 days**

**Minimum order quantity
300 / 500 / 1000 m**

product overview special cables / materials



Metalle:

- copper
- tinned copper
- silver-coated copper
- nickel plated copper
- galvanized steel
- flat steel
- cu-plated steel
- stainless steel

Thermoplaste:

- PVC 80°C	-20°C	+80°C
- PVC - FR 105°C	-20°C	+105°C
- PVC / NBR (80°C o V5)	-20°C	+90°C
- PVC / NBR FR	-20°C	+90°C
- PE	-60°C	+90°C
- Polyolefin Z1/FR Typ 1	-25°C	+70°C
- Polyolefin Z1/FR Typ 2	-25/40°C	+110°C
- Polyolefin Z1/FR bestrahlt	-55°C	+125°C
- PUR glänzend	-70°C	+80/90°C
- PUR FR/ZH	-40°C	+100°C
- HYTREL®**	-40°C	+150°C
- NYLON®**	-40°C	+110°C
- ETFE (Tefzel®**)	-70°C	+150°C
- ECTFE (Fluorpolymer)	-75°C	+140°C
- FEP (Teflon®**)	-70°C	+200°C
- PFA (Teflon®**)	-70°C	+255°C
- PTFE (Teflon®**)	-70°C	+250°C

Sonstige:

Bandierung:

- Polyester
- Polyester FR
- Polyester / Alu
- Alu / Polyester / Alu
- Copolymer / Alu / Copolymer
- Cu / Cu
- Polyester / Cu
- Cu / Polyester / Cu
- Polypropylen
- PTFE
- Glasfaser
- Kapton

Verseilung:

- Kevlar (Aramid)
- Rylon
- Cotton
- Raffiabast

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special cables for train and rail technology

- ✓ Train + Railway
- ✓ Train Station Technology
- ✓ Signaltechnology
- ✓ Track constuction



- Z1/FR-Kabel, halogen free/fireretardant
- CAN-Bus
- RG
- informationtechnology
- A/V Audio-Video
- door opening / door closing
- spiralcable
- sensorcontrol
- cold and Heat Sensors
- traffic Lights
- point Automation
- signaltechnology
- location
- plant + infrastucture control
- high fire resistant
- signalcable
- IT-systemcable
- escalator gear
- treadmill gear
- video surveillance systems
- plant control
- traffic control and monitoring
- stationary communication control systems
- control systems and mobile communication
- traffic and driving savety
- Remote anergy control

**customade cables
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**minimum order quantity
300 / 500 / 1000m**



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special cables for aerospace

- ✓ aeroplanes
- ✓ satellites
- ✓ space



**customade cables
within 20-25 day**

**minimum order quantity
300 / 500 / 1000m**

- Tefzel
- Teflon (PTFE)
- FEP
- PFA
- Cold resistant (-75°C / -50°C)
- Heat resistant (+125° C / + 140°C)
- Ozon resistant to s/ASTM – d - 1171
- sommunication systems
- sontrol systems
- signal systems
- spirial cord cables



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special cables for port and shipping

- ✓ ship ports
- ✓ transport ships
- ✓ cruise ships
- ✓ war ships



**customade cables
within 20-25 day**

**minimum order quantity
300 / 500 / 1000m**

- cables and cranes
- submarine cables
- armored cables
- control systems cable
- cables with a high degree of protection PTFE®**
- external cables with marine exposure
- cable for extreme contitions
- halogenfree, fire retardant
- radar systems
- cold resitant (-75°C / -50°C)
- reefer ships / ocean-going fleets



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standard product portfolio



multicore:

- PTFE
- PFA
- FEP
- ETFE
- Polyimid
- Silikon
- Glas Silk bis +800°C
- Ceramic Fiber bis +1200°C
- P-PUR
- PUR
- PVC
- PVC bis +105°C
- PVC UI-Style
- Miniaturcable AWG 32-36

cross-section:

- AWG12 – AWG36



singlecore:

- PTFE
- PFA
- FEP
- PUR
- PVC
- PVC bis +105°C
- PVC UI-Style

cross-section:

- AWG18 – AWG40



spiralcable:

- PUR
- PVC
- PVC bis +105°C
- PVC UI-Style

cross-section:

- Costumade production



coaxialcable

- PFA
- FEP
- PVC
- PE
- PE foam
- PP
- Miniatur 50/75 Ω

standards:

- On the basis to MIL-C-17
- RG-Kabel
- Low-Loss

infinitely variable temperature



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delivery programm tools _ HotWeezer®



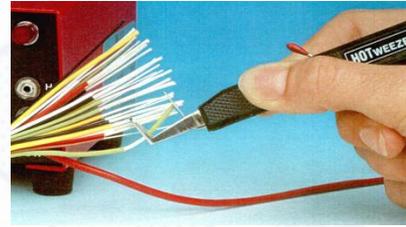
HotWeezer standard:

Thermal Wire Stripper
(Power Supply)
Model M-10(220V)



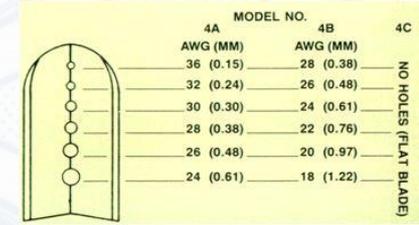
HotWeezer MIL

Thermal Wire Stripper
(Power Supply) - MIL
Model M-20(220V)



HotWeezer pliers

Handpliers for cross-section
AWG18 bis AWG36



MODEL NO.		
4A	4B	4C
AWG (MM)	AWG (MM)	
36 (0.15)	28 (0.38)	NO HOLES (FLAT BLADE)
32 (0.24)	26 (0.48)	
30 (0.30)	24 (0.61)	
28 (0.38)	22 (0.76)	
26 (0.48)	20 (0.97)	
24 (0.61)	18 (1.22)	

Performance characteristics

- infinitely variable temperature from +93° C til +537° C for stripping PTFE + SILICON-isulated high-temperature cables
- specially manufactured handpliers with cable cross-section holes from AWG 18 bis tilAWG 36
- all hand pliers can exchanged as quickly as possible using a plug connection
- can be quickly convertes to any european standard and short notice
- almost unlimited service life, as there is no need to regrind the knives
(case-hardened special steel for the stripping knives)

delivery programm connectors „Rotronik – Connect“



Rotronik-Connect-F

- Push-Pull-ring lock
- Coding F metal half-shell



Rotronik-Connect-L

- Push-Pull-latch lock
- Coding S, 2C, B, E, K, L



Rotronik-Connect-K

- Small HF-connector

Leistungsmerkmale

- in addition to our extensive cable portfolio, we also offer suitable plug-in connections for a wide variety of applications.
- compatible with many well-known manufacturers (including Fischer, Lemo, Telegärtner, Yamaichi etc.)
- Don't hesitate to ask us, we will find a solution for you



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Thank you for your attention

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