



Soldered connections of big cross sections are dangerous due to bad soldering joints. In that case the connection has a high resistance and danger of fire hazard. For professional result of lug and terminal crimps use only well matched tools as follows. Our quality tools are designed to provide exact crimping and are easy to use in installation and maintenance of your boat electrical system.

All lugs, terminals and spades are especially designed for a heavy harsh marine environment to accomplish all requirements. Pure tinned copper terminals, non-insulated or nylon-insulated give the least electrical resistance but the most corrosion protection.



**Heavy Duty Lugs**

Material E-Cu tube with galvanic tinn plated surface.

■ RKS 6 mm <sup>2</sup> , hole-∅ 8 mm	Order-No.: 5 0100 1080
■ RKS 6 mm <sup>2</sup> , hole-∅ 10 mm	Order-No.: 5 0100 1100
■ RKS 10 mm <sup>2</sup> , hole-∅ 6 mm	Order-No.: 5 0100 2060
■ RKS 10 mm <sup>2</sup> , hole-∅ 8 mm	Order-No.: 5 0100 2080
■ RKS 10 mm <sup>2</sup> , hole-∅ 10 mm	Order-No.: 5 0100 2100
■ RKS 16 mm <sup>2</sup> , hole-∅ 6 mm	Order-No.: 5 0100 3060
■ RKS 16 mm <sup>2</sup> , hole-∅ 8 mm	Order-No.: 5 0100 3080
■ RKS 16 mm <sup>2</sup> , hole-∅ 10 mm	Order-No.: 5 0100 3100
■ RKS 25 mm <sup>2</sup> , hole-∅ 6 mm	Order-No.: 5 0100 4060
■ RKS 25 mm <sup>2</sup> , hole-∅ 8 mm	Order-No.: 5 0100 4080
■ RKS 25 mm <sup>2</sup> , hole-∅ 10 mm	Order-No.: 5 0100 4100
■ RKS 35 mm <sup>2</sup> , hole-∅ 6 mm	Order-No.: 5 0100 5060
■ RKS 35 mm <sup>2</sup> , hole-∅ 8 mm	Order-No.: 5 0100 5080
■ RKS 35 mm <sup>2</sup> , hole-∅ 10 mm	Order-No.: 5 0100 5100
■ RKS 35 mm <sup>2</sup> , hole-∅ 16 mm	Order-No.: 5 0100 5160
■ RKS 50 mm <sup>2</sup> , hole-∅ 8 mm	Order-No.: 5 0100 6080
■ RKS 50 mm <sup>2</sup> , hole-∅ 10 mm	Order-No.: 5 0100 6100
■ RKS 50 mm <sup>2</sup> , hole-∅ 12 mm	Order-No.: 5 0100 6120
■ RKS 50 mm <sup>2</sup> , hole-∅ 16 mm	Order-No.: 5 0100 6160
■ RKS 70 mm <sup>2</sup> , hole-∅ 8 mm	Order-No.: 5 0100 7080
■ RKS 70 mm <sup>2</sup> , hole-∅ 10 mm	Order-No.: 5 0100 7100
■ RKS 70 mm <sup>2</sup> , hole-∅ 12 mm	Order-No.: 5 0100 7120
■ RKS 70 mm <sup>2</sup> , hole-∅ 16 mm	Order-No.: 5 0100 7160
■ RKS 95 mm <sup>2</sup> , hole-∅ 8 mm	Order-No.: 5 0100 8080
■ RKS 95 mm <sup>2</sup> , hole-∅ 10 mm	Order-No.: 5 0100 8100
■ RKS 95 mm <sup>2</sup> , hole-∅ 12 mm	Order-No.: 5 0100 8120
■ RKS 95 mm <sup>2</sup> , hole-∅ 16 mm	Order-No.: 5 0100 8160



**Pin terminal**

Tinned copper for maximum corrosion resistance and greatest electrical conductivity.

■ SKS 16, 10-16 mm <sup>2</sup>	Order-No.: 5 0200 1016
■ SKS 35, 25-50 mm <sup>2</sup>	Order-No.: 5 0200 2550
■ SKS 70, 50-95 mm <sup>2</sup>	Order-No.: 5 0200 5095



**Heavy Duty Lug / Terminal Crimper, calibrated adjustment screw.**

■ WW 6/70	Order-No.: 5 0000 1070
Length 390 mm, weight 1,1 kg. Capacity crimps 6 - 70 mm <sup>2</sup>	
■ WW 10/120	Order-No.: 5 0000 1012
Length 660 mm, weight 4,3 kg. Capacity crimps 10 - 120 mm <sup>2</sup>	



■ **AEH BOX** Order-No.: 5 9165 9000

Multiple box with an assortment of five different pigtails, nylon-insulated. Revolving cover for taking out the pigtails alternatively. Cross sections 0,75 - 6 mm<sup>2</sup>. Package 430 pcs.



■ **EWZ 0,5-4 mm** Order-No.: 5 0000 0560

Professional tool for pigtails. Cross sections 0,5 - 4 mm<sup>2</sup>.

■ **EWZ 6-16 mm** Order-No.: 5 0000 0561

Professional tool for pigtails. Cross sections 6 - 16 mm<sup>2</sup>.

➤ **TERMINALS**



**Stack connector, non isolated.** Package 10 pcs

- FSH 4,8 mm / 1,5-2,5 mm<sup>2</sup> . . . . . Order-No.: **5 9048 1525**
- FSH 6,3 mm / 1,5-2,5 mm<sup>2</sup> . . . . . Order-No.: **5 9063 1525**
- FSH 6,3 mm / 4-6 mm<sup>2</sup> . . . . . Order-No.: **5 9063 4060**

**Multi stack connector, non isolated.** Package 10 pcs

- AZH 6,3 mm / 1,5-2,5 mm<sup>2</sup> . . . . . Order-No.: **5 9263 1525**

**Terminal boot.** Package 10 pcs

- ITT 4,8 mm . . . . . Order-No.: **5 9948 1525**
- ITT 6,3 mm . . . . . Order-No.: **5 9963 1525**



**Stack connector.** Package 10 pcs

- FSI 6,3 mm / 0,5-1 mm<sup>2</sup> red . . . . . Order-No.: **5 9163 0510**
- FSI 6,3 mm / 1,5-2,5 mm<sup>2</sup> blue . . . . . Order-No.: **5 9163 1525**
- FSI 6,3 mm / 4-6 mm<sup>2</sup> yellow . . . . . Order-No.: **5 9163 4060**



**Ring Terminals.** Package 10 pcs

- QKS 1,5-2,5 mm<sup>2</sup>, hole-Ø 4 mm . . . . . Order-No.: **5 1630 0004**
- QKS 1,5-2,5 mm<sup>2</sup>, hole-Ø 5 mm . . . . . Order-No.: **5 1630 0005**
- QKS 1,5-2,5 mm<sup>2</sup>, hole-Ø 6 mm . . . . . Order-No.: **5 1630 0006**
- QKS 4-6 mm<sup>2</sup>, hole-Ø 4 mm . . . . . Order-No.: **5 1650 0004**
- QKS 4-6 mm<sup>2</sup>, hole-Ø 5 mm . . . . . Order-No.: **5 1650 0005**



■ **KMS 10** Order-No.: **5 0024 0009**

Wire marker dispenser to mark cables and terminals individually. A cutting appliance is integrated. Reel of polyester adhesive tape, breadth 5 mm, length 2,7 m. Numerals 0-9.



■ **SSB-Set** Order-No.: **6 0012 9005**

Heat shrink tubes, black. 5 pcs. (3,2 / 4,8 / 6,4 / 9,5 / 12,7 mm) length 50 cm each. Shrinkage 2:1.



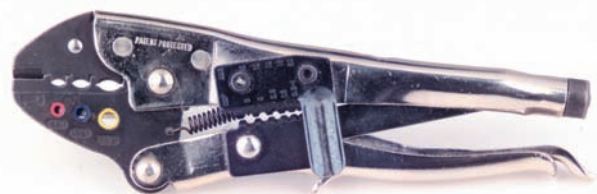
■ **SSK 19** Order-No.: **6 0012 1190**

Heat shrink tubes with melting glue for professional sealing and showing of the correct polarity. Shrinkage 3:1, Diameter 19 mm. Content: red and black tube, length 0,3 m each.



■ **UNI-Crimp WZ 45** Order-No.: **5 0000 0045**

Non-insulated crimp ratchet tool, ratchet mechanism places a single crimp on non-insulated terminals in three cavities 0,5 - 6,0 mm<sup>2</sup>.



■ **UNI-Crimp WZ 42** Order-No.: **5 0000 0042**

Insulated crimp ratchet tool, ratchet mechanism places a single crimp on insulated terminals in three cavities 0,5 - 6,0 mm<sup>2</sup>.



■ **UNI-Crimp WZ 43** Order-No.: **5 0000 0043**

Non-insulated crimp ratchet tool for lugs, Four cavities 0,5-10 mm<sup>2</sup>.



All cables not combustible according DIN VDE 482 T265-2-1

Flexible, fine-strand copper cables, designed to install on board of yachts, power- and pleasureboats. To accomplish the international standards of the current load, like EN 10133 or EN 13297. Please pay attention to the list next rank. These ranges are valid for grouping of junction links of three single leads for installations in rooms on a temperature of 30°C. In engine rooms or other installations with a range of over 60°C you have to multiply the value of 70°C by a factor of 0,75.

**Cross section**

(mm <sup>2</sup> )	0,75	1,5	2,5	4	6	10	16	25	35	50	70	95
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Maximal current at max. cable temperature. 60° C

A	6	12	17	22	29	40	54	71	87	105	135	165
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Maximal current at max. cable temperature. 70° C

A	10	18	25	35	45	65	90	120	150	210	265	310
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**Universal applications, flexible leads, single-core**, colours red, blue, black. not combustible, self extinguishing, temperature range -5...+70°C.

■ H07V-K 1,5 mm <sup>2</sup> , ø 3,4 mm, rot	1 m	Order-No.: 5 0380 0153	100 m ring	Order-No.: 5 0380 0153-100 m
■ H07V-K 1,5 mm <sup>2</sup> , ø 3,4 mm, blau	1 m	Order-No.: 5 0380 0151	100 m ring	Order-No.: 5 0380 0151-100 m
■ H07V-K 1,5 mm <sup>2</sup> , ø 3,4 mm, schwarz	1 m	Order-No.: 5 0380 0150	100 m ring	Order-No.: 5 0380 0150-100 m
■ H07V-K 2,5 mm <sup>2</sup> , ø 4,1 mm, rot	1 m	Order-No.: 5 0380 0253	100 m ring	Order-No.: 5 0380 0253-100 m
■ H07V-K 2,5 mm <sup>2</sup> , ø 4,1 mm, blau	1 m	Order-No.: 5 0380 0251	100 m ring	Order-No.: 5 0380 0251-100 m
■ H07V-K 2,5 mm <sup>2</sup> , ø 4,1 mm, schwarz	1 m	Order-No.: 5 0380 0250	100 m ring	Order-No.: 5 0380 0250-100 m
■ H07V-K 4 mm <sup>2</sup> , ø 4,8 mm, rot	1 m	Order-No.: 5 0380 0403	100 m ring	Order-No.: 5 0380 0403-100 m
■ H07V-K 4 mm <sup>2</sup> , ø 4,8 mm, schwarz	1 m	Order-No.: 5 0380 0400	100 m ring	Order-No.: 5 0380 0400-100 m
■ H07V-K 6 mm <sup>2</sup> , ø 5,3 mm, rot	1 m	Order-No.: 5 0380 0603	100 m ring	Order-No.: 5 0380 0603-100 m
■ H07V-K 6 mm <sup>2</sup> , ø 5,3 mm, schwarz	1 m	Order-No.: 5 0380 0600	100 m ring	Order-No.: 5 0380 0600-100 m
■ H07V-K 10 mm <sup>2</sup> , ø 6,8 mm, rot	1 m	Order-No.: 5 0380 1003	100 m ring	Order-No.: 5 0380 1003-100 m
■ H07V-K 10 mm <sup>2</sup> , ø 6,8 mm, schwarz	1 m	Order-No.: 5 0380 1000	100 m ring	Order-No.: 5 0380 1000-100 m
■ H07V-K 16 mm <sup>2</sup> , ø 8,1 mm, rot	1 m	Order-No.: 5 0380 1603	100 m ring	Order-No.: 5 0380 1603-100 m
■ H07V-K 16 mm <sup>2</sup> , ø 8,1 mm, schwarz	1 m	Order-No.: 5 0380 1600	100 m ring	Order-No.: 5 0380 1600-100 m
■ H07V-K 25 mm <sup>2</sup> , ø 10,2 mm, rot	1 m	Order-No.: 5 0380 2503	50 m ring	Order-No.: 5 0380 2503-50 m
■ H07V-K 25 mm <sup>2</sup> , ø 10,2 mm, schwarz	1 m	Order-No.: 5 0380 2500	50 m ring	Order-No.: 5 0380 2500-50 m
■ H07V-K 35 mm <sup>2</sup> , ø 11,7 mm, rot	1 m	Order-No.: 5 0380 3503	50 m ring	Order-No.: 5 0380 3503-50 m
■ H07V-K 35 mm <sup>2</sup> , ø 11,7 mm, schwarz	1 m	Order-No.: 5 0380 3500	50 m ring	Order-No.: 5 0380 3500-50 m



**For 230 V or mast installation.** isolation PVC - grey, multicore. Temperature range +5...+80°C. not combustible, self extinguishing

■ OB 2 x 1,5 mm <sup>2</sup> , ø 6,6 mm	1 m	Order-No.: 5 0001 1077	50 m ring	Order-No.: 5 0001 1077-50 m
■ JB 3 x 1,5 mm <sup>2</sup> , ø 7,0 mm	1 m	Order-No.: 5 0001 1078	50 m ring	Order-No.: 5 0001 1078-50 m
■ OB 4 x 1,5 mm <sup>2</sup> , ø 7,8 mm	1 m	Order-No.: 5 0001 1081	50 m ring	Order-No.: 5 0001 1081-50 m
■ OB 2 x 2,5 mm <sup>2</sup> , ø 7,9 mm	1 m	Order-No.: 5 0001 1104	50 m ring	Order-No.: 5 0001 1104-50 m
■ JB 3 x 2,5 mm <sup>2</sup> , ø 8,8 mm	1 m	Order-No.: 5 0001 1105	50 m ring	Order-No.: 5 0001 1105-50 m
■ OZ 4 x 2,5 mm <sup>2</sup> , ø 9,8 mm	1 m	Order-No.: 5 0001 1108	50 m ring	Order-No.: 5 0001 1108-50 m
■ OB 2 x 4 mm <sup>2</sup> , ø 9,2 mm	1 m	Order-No.: 5 0001 1121	50 m ring	Order-No.: 5 0001 1121-50 m

**For shore power connection.** isolation neopren - black, multicore

■ H07RN-F 3 x 2,5 mm <sup>2</sup> , ø 13,0 mm	1 m	Order-No.: 5 0730 2530	50 m ring	Order-No.: 5 0730 2530-50 m
■ H07BQ-F 3 x 2,5 mm <sup>2</sup> , ø 13,0 mm (gelb)	1 m	Order-No.: 7 0050 2530	50 m ring	Order-No.: 7 0050 2530-50 m

**Trip line for installation at the mast, flexible, grey, multicore.**

■ LIYY 8 x 0,5 mm <sup>2</sup> , ø 6,9 mm	1 m	Order-No.: 5 0001 8091	50 m ring	Order-No.: 5 0001 8091-50 m
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**For engine and battery installation.**high flexible, single core, black, temperature range +5...+80°C. not combustible, self extinguishing

■ H01N2-D 16 mm <sup>2</sup> , ø 9,0 mm	1 m	Order-No.: 5 0003 1002	50 m ring	Order-No.: 5 0003 1002-50 m
■ H01N2-D 25 mm <sup>2</sup> , ø 13,0 mm	1 m	Order-No.: 5 0003 1003	50 m ring	Order-No.: 5 0003 1003-50 m
■ H01N2-D 35 mm <sup>2</sup> , ø 14,5 mm	1 m	Order-No.: 5 0003 1004	50 m ring	Order-No.: 5 0003 1004-50 m
■ H01N2-D 50 mm <sup>2</sup> , ø 17,0 mm	1 m	Order-No.: 5 0003 1005	50 m ring	Order-No.: 5 0003 1005-50 m
■ H01N2-D 70 mm <sup>2</sup> , ø 19,5 mm	1 m	Order-No.: 5 0003 1006	50 m ring	Order-No.: 5 0003 1006-50 m
■ H01N2-D 95 mm <sup>2</sup> , ø 22,0 mm	1 m	Order-No.: 5 0003 1007	50 m ring	Order-No.: 5 0003 1007-50 m

**Coaxial cable, flexible**

■ RG 58 C/U - 50 Ω, ø 5,0 mm	1 m	Order-No.: 5 0305 0580	100 m ring	Order-No.: 5 0305 0580-100 m
■ RG 213 U -50 Ω, ø 10,3 mm	1 m	Order-No.: 5 0305 2130	50 m ring	Order-No.: 5 0305 2130-50 m

