



# Copper connectors

Version: 2011-01

**For use in welding machines in the automotive, electro-mechanical and electro-technical sectors**

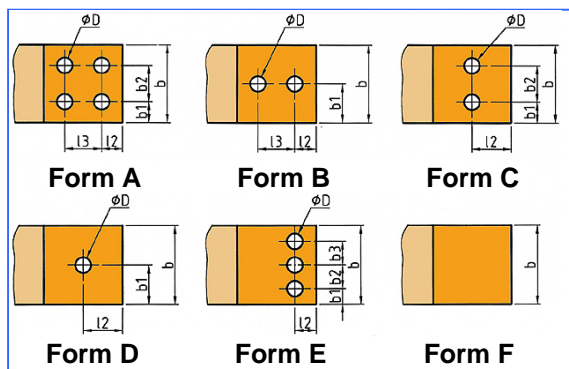
- High flexibility
- suitable for extreme cases of mobility and vibration
- Material: CU ETP or se CU between 1 and 8.5 mm thick, width from approx. 8.2 mm up to max. 100 mm



## Examples of various models:

- Flexible connectors with a special head for water cooling
- Flexible connectors with a 2 mm thick inner and outer covering made of plastic or stainless steel for added protection
- Flexible connectors with straightened and then silver-plated contact areas
- U-shaped flexible connectors with riveted or braze welded heads
- Omega-shaped flexible connectors with riveted or braze welded heads

## Drill images of the connecting parts



**All special models and dimensions are available!**

We reserve the right to make changes which are in the interest of technical progress.

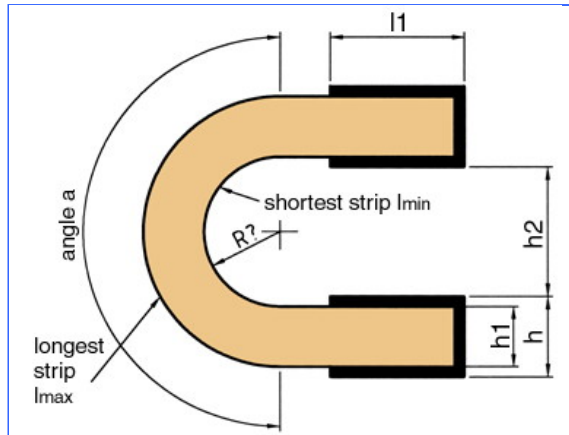
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**Copper connector-1**



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## When ordering bent connectors

the following dimensions are an absolute requirement:

- angle  $a$
- longest strip ( $l_{max}$ ) in mm
- shortest strip ( $l_{min}$ ) in mm
- distance ( $h_2$ ) in mm
- thickness of strip ( $h_1$ ) in mm
- thickness of the connecting parts ( $h$ ) in mm
- length of the connecting parts ( $l_1$ ) in mm
- radius ( $R$ ) in mm (if possible)
- single cross section in  $mm^2$
- total cross section in  $mm^2$
- number of wire layers

## When ordering straight connectors

the following dimensions are an absolute requirement:

- total length in mm
- thickness of strip ( $h_1$ ) in mm
- length of connecting parts ( $l_1$ ) in mm
- thickness of the connecting parts ( $h$ ) in mm
- single cross section in  $mm^2$
- total cross section in  $mm^2$
- number of wire layers

When ordering either bent or straight copper connectors please provide details of the type of connecting part, including all important dimensions (see above)!

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Copper connector-2



# Copper connectors

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## Order Form for Flexible connectors

**Enquiry / Offer / Order** (please delete if not applicable)

Customer:  
(Stamp,  
Name, Contact person

Date / Signature .....

Order-Number / Job-Number: .....

### Bent Connectors:

- Angle a:
- Longest strip (l<sub>max</sub>) in mm:
- Shortest strip (l<sub>min</sub>) in mm:
- Distance (h<sub>2</sub>) in mm:
- Thickness of strip (h<sub>1</sub>) in mm:
- Thickness of connecting parts (h) in mm:
- Length of connecting parts (l<sub>1</sub>) in mm:
- Radius (R) in mm (if possible):
- Single cross section in mm<sup>2</sup>:
- Total cross section in mm<sup>2</sup>:
- Number of wire layers:

#### • Connecting parts:

Form:            b in mm:  
b1 in mm:      b2 in mm:  
b3 in mm:      ØD in mm:  
l2 in mm:      l3 in mm:

- Material:
- Hardness:
- Surface treatment: yes / no  
If yes, which one

### Straight connectors:

- Total length in mm:
- Thickness of strip (h<sub>1</sub>) in mm:
- Length of connecting parts (l<sub>1</sub>) in mm:
- Thickness of connecting parts (h) in mm:
- Single cross section in mm<sup>2</sup>:
- Total cross section in mm<sup>2</sup>:
- Number of wire layers:

#### • Connecting parts:

Form:            b in mm:  
b1 in mm:      b2 in mm:  
b3 in mm:      ØD in mm:  
l2 in mm:      l3 in mm:

- Material:
- Hardness:
- Surface treatment: yes / no  
If yes, which one

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**Copper connector-3**



# Copper connectors

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## Braided copper tapes

Cross section (mm <sup>2</sup> )	Width (mm)	Thickness (mm)	Wires Ø (mm)	Weight (kg/1000 m)	Order number Cu - bare	Order number Cu - tinned
4	8.2	1.0	0.07	40	O0.010.017	O0.010.017Z
5	9.8	1.2	0.07	53	O0.010.018	O0.010.018Z
6	10.0	1.3	0.07	60	O0.010.019	O0.010.019Z
8	12.3	1.5	0.07	80	O0.010.020	O0.010.020Z
10	14.0	1.5	0.07	100	O0.010.021	O0.010.021Z
16	17.5	2.0	0.10	160	O0.010.022	O0.010.022Z
25	22.0	2.5	0.10	250	O0.010.023	O0.010.023Z
35	30.0	2.5	0.10	350	O0.010.024	O0.010.024Z
50	33.0	3.2	0.10	500	O0.010.025	O0.010.025Z
70	45.0	3.5	0.10	700	O0.010.026	O0.010.026Z
95	50.0	4.0	0.10	950	O0.010.027	O0.010.027Z
120	60.0	4.0	0.10	1200	O0.010.028	O0.010.028Z
140	60.0	4.5	0.10	1400	O0.010.029	O0.010.029Z
150	65.0	5.0	0.10	1500	O0.010.030	O0.010.030Z
168	70.0	5.0	0.10	1680	O0.010.031	O0.010.031Z
185	75.0	5.0	0.10	1850	O0.010.032	O0.010.032Z
240	80.0	6.5	0.10	2400	O0.010.033	O0.010.033Z
250	80.0	7.0	0.10	2500	O0.010.034	O0.010.034Z
300	90.0	7.0	0.10	3000	O0.010.035	O0.010.035Z
400	100.0	8.5	0.10	4000	O0.010.036	O0.010.036Z

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Copper connector-4