

WBT-0660: \* 6,4 (1/4")  
WBT-0680: \* 8,1 (5/16")

All dimensions in mm

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|---|--|---|
| 1 | Insulation, Makrolon®, transparent                                   | 1 |
| 2 | Marking ring, red (RAL 3001), white (RAL 9010) oder black (RAL 9011) | 1 |
| 3 | Headless screw, brass, M4-Spec. Torx** T.6, 8.5 mm length            | 2 |
| 4 | Signal conductor with contact fork, pure copper or fine silver       | 1 |
| 5 | Screwing cage, brass   | 1 |
| 6 | Elastomer vibration damper   | 1 |
| 7 | Absorber cap   | 1 |

Extent of delivery: 1-7, all parts mounted

Revision date: 2000-07-13

Int. Pat. pend. 1 98 13 370\*\*\*

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WBT is a reg. trademark of WBT, Germany.

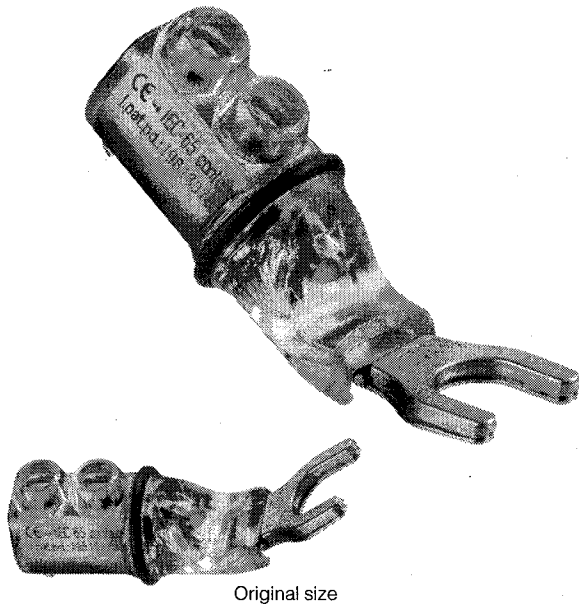
\* Makrolon is a reg. trademark of Bayer, Germany.

\*\* Torx is a reg. trademark of Camcar Textron, USA.

\*\*\* Also US-Pat. 5 108 320 - Kimber

\* CE is the abbreviation of Conformité Européenne.

\*\* IEC is the abbreviation of International Electrotechnical Commission.



Original size

## Sandwich Spade WBT-0660/-0680 Cu/Ag

High-current spade lug with elastomer shock absorber for progressive contact pressure eliminating structure-borne and air-borne noise as well as magnetostriction.

With insulation body for safety conformable use as loudspeaker cord plug admissible in line with CE-EN 60065 and the international standard IEC 65 (>34.5 volts).

- Mechanics**
  - one-piece construction, contact elements with narrow tolerance (tol. <math>\pm 0.05\text{ mm}</math>)
  - solid dual screwing cage
  - V8A-elastomer shock absorber (hydraulic principle)
- Materials**
  - signal conductor: solid, pure copper (WBT-0660/-0680 Cu) or fine silver (WBT-0660/-0680 Ag).
  - screwing cage: brass
  - absorber cap: high-grade steel V8A, non-ferromagnetic
  - elastomer damper: NBR (nitrile-butadiene-rubber)
  - insulation material: Makrolon®, transparent, CE-conformable in line with EN 60065 and IEC 65, T.-max. 85-110° C.
  - marking ring: TPU (thermoplastic polyurethane), red, white or black, T.-max. 50-95° C.
- Surface**
  - screwing cage and signal conductor: corrosion-resistant palladium finish, non-ferromagnetic
- Operating characteristics**
  - constant current  $I_D = 10^2\text{ A}$
  - authorized max. peak current  $I_S = 10^3\text{ A}$
  - contact resistance  $R_D \leq 10^{-4}\text{ ohms}$
  - insulation resistance  $R_{iso} > 10^{14}\text{ ohms}$
  - electric strength of the insulation  $> 30\text{ kV}$
- Connection options**
  - designed for solder-free crimped connections
  - internal terminal for crimped cable ends up to 10 mm<sup>2</sup> (8 AWG), permanent fixing by self-securing headless screws
  - external terminal with 6- or 8-mm contact fork.

### Accessories / Tool recommendation:

WBT offers a wide range of crimping accessories: gold-plated strand end sleeves made of highly conductive electrolyte copper (E-Cu with a purity of 99,996%) in all standard sizes from 0.5 to 16 mm<sup>2</sup>, special crimping pliers for the above mentioned tasks and a crimpset for starters.

