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①	Insulation, Makrolon*, transparent	1
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Extent of delivery: 1-7, all parts mounted		
Revision date: 2003-09-01		

Int. Pat. 1 066 660\*\*\*  
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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.

**WBT-0661/-0680**

**E**

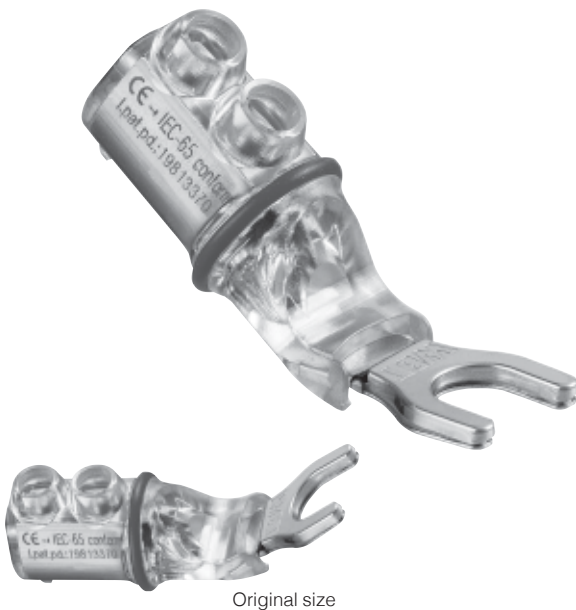
WBT-0661: \* 6,4 (1/4")  
 WBT-0680: \* 8,1 (5/16")

All dimensions in mm

## Sandwich Spade WBT-0661/-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.  $< \pm 0.05$  mm)
  - 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\* (polycarbonate), 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, temperature max. 50-95° C.
- Surface**
  - screwing cage and signal conductor: corrosion-resistant precious metal layer, non-ferromagnetic
  - copper version: single-layer WBT 24-carat direct gold-plating, Au 0.3  $\mu$ m
  - silver version: platinum finish
- Operating characteristics**
  - constant current  $I_0 = 10^2$  A
  - authorized max. peak current  $I_p = 10^3$  A
  - contact resistance  $R_0 \leq 10^{-4}$  ohms
  - insulation resistance  $R_{iso} > 10^{14}$  ohms
  - electric strength of the insulation  $> 30$  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
- Warning against usage of contact cleaners: their contents may cause damage to the insulators!**



Original size

### Accessories / Tool recommendation:

WBT offers a wide range of crimping accessories: gold-plated strand end sleeves made of pure copper 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.

**New:** strand end sleeves made of fine silver with platinum finish

