



WBT-0681 → 8.1mm (5/16")
WBT-0661 → 6.4mm (1/4")

All dimensions in mm

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8	Adaptor bush (optional)	*
Extent of delivery: 1-7, all parts mounted 8 optional		
Revision date 23.04.2009		

¹⁾ Makrolon is a registered trademark of Bayer, Germany
²⁾ Torx is a registered trademark of Camcar Textron, USA

³⁾ CE is the obligatory conformity symbol of the EU
⁴⁾ IEC stands for International Electrotechnical Commission

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WBT- 0681 Cu | WBT- 0661 Cu nextgen™ Sandwich Spade (Int. Pat 1 066 660, US Patent 6,319,078)



WBT-0681 Cu
RoHS compliant

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 CE³ EN 60065 and the international standard IEC⁴ 65 (>34.5 volts).

1. Mechanics

- one-piece construction, contact elements with narrow tolerance
- dual screwing cage (contact, strain relief)
- VA-elastomer shock absorber (hydraulic principle)

2. Materials

- signal conductor: fine silver
- absorber cap: high-grade steel VA, non-ferromagnetic
- elastomer damper: NBR (nitrile-butadiene-rubber)
- insulation material: Makrolon¹ (polycarbonate), T. max. 85-110°C, CE³ conformable inline with EN 60065 and IEC⁴ 65
- marking ring: TPU (thermoplastic polyurethane), T. max. 50-95°C

3. Surface

- signal conductor: nickel-free direct gold plating (24 Karat, Au 0.3 µm), non-ferromagnetic

4. Operating characteristics

- constant current $I_D = 10^2$ A
- authorized max. peak current $I_S = 10^3$ A
- contact resistance $R_D < 10^{-4}$ Ohm
- insulation resistance $R_{iso} > 10^{14}$ Ohm
- electric strength of the insulation > 30 kV

5. Connection options

- designed for solder-free crimped connections
- internal terminal for crimped cable ends up to 10 mm² (7 AWG), permanent fixing by self-securing headless screws
- external terminal with 6 or 8 mm contact fork

6. Warning against usage of contact cleaners: Their contents may cause damage to the insulators!

Accessories / useful tools:

WBT offers a wide range of crimping accessories:

Cable end sleeves

pure copper, gold-plated (from 0.5 to 16 mm² /AWG 20 to 5), fine silver with platinum finish (from 1.5 to 6 mm² /AWG 15 to 9)

special **Crimping Pliers** for the above mentioned tasks and a

Crimpset for starters.