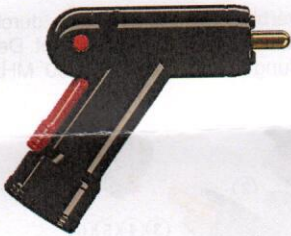


## WBT-0120 Cu/Ag nextgen™ RCA plug

Coaxial plug for cables up to 9 mm dia.

Made in Germany

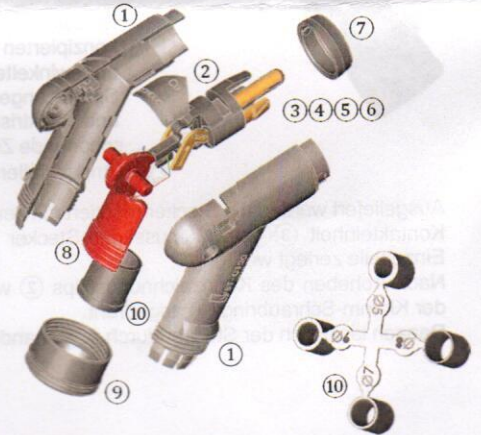
Int. Pat. pend.



The WBT-0120 RCA plug is the recent member of the WBT nextgen™ audio connector family, which is characterized by consistently separate optimization of the implementation of its electrical and mechanical functions. The WBT-0120 connector is designed for use in wideband 75 Ω signal connections with more than 800 MHz bandwidth.

It is distinguished from the WBT-0111, which was designed for comparable use, by a cable entry that is angled relative to the plug-in direction, and a collet mechanism operated by a clamping lever (8) to ensure mechanically and electrically safe contact, as well as an adjustable, gentle strain relief (9,10) for cables of different thicknesses (fitting grommets with Ø 5, 6, 7, 8 mm are included in the scope of delivery).

The plugs are delivered assembled with the fitting grommets included. Before connecting the cable to the contact unit (3,4,5,6), the plug must be dismantled into its individual parts as shown in the picture opposite. After removing the marking clip (2), the front bayonet ring (7) is removed and the collet clamping ring (9) is unscrewed. The plug can then be disassembled by pulling apart the housing parts (1) as shown.



Afterwards push the cable through the collet clamping ring (9) and the fitting grommet (10). Select the fitting grommet so that it fits tightly over the cable. For the insulation of the minus contact, it is strongly recommended to run a cable hose over the cable. This is not included in the scope of delivery. Depending on the cable, strip the outer insulation about 19 mm and the inner insulation about 14 mm. Connect the contacts by soldering (the solder point must be kept very flat) or better by crimped 2.8 mm flat push on cable shoes. Then assemble in the order shown.



The clamping lever (8) is inserted into the in the plug-in direction right half of the housing in the open position (as shown).



Then insert the connected contact unit in such a way that its "guide nose" engages in the eccentric guide provided for the clamping lever; this is generally accomplished without difficulty thanks to the shape of the half housing.



Attach the left half of the housing and fix it in place with the bayonet ring (7) and the marking clip (2).



Push the fitting grommet (10) previously pushed onto the cable forward to the end stop and fix it with the collet clamping ring (9), activating the strain relief.

An initial function test of the lever mechanism - lever in position red - should slightly move the contact unit more than 1 mm in the plugging direction.

**Important: WBT coaxial plugs are designed exclusively for use in signal connections of the audio and video range.**  
WBT-Industrie GmbH assumes no liability for incorrect use.

### Excerpt from the WBT range

WBT-0210 Cu nextgen™ RCA type socket:	chassis mounting type, made from pure copper, 75 ohms char. impedance, for digital and analogue outputs
WBT-0210 Ag nextgen™ RCA type socket:	same, but made from pure silver
WBT-0805 silver solder:	lead-free solder with 4% Ag, 0.9 mm dia., halogen-free flux, melting temperature: 216/219°C

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Detailed product information available. Design and specifications subject to change without notice.