

All dimensions in mm

Component list

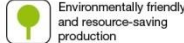
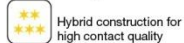
1	Cap, brass	1
2	Holding Unit, PA	1
3	Torx ¹⁾ Screw M4x4, brass	1
4	Dielectric 'Plus', PA	1
5	Signal Conductor 'Plus', fine silver	1
6	Shaft of Clamping Barrel, AlMg alloy	1
7	Head of Clamping Barrel, AlMg alloy	1
8	Signal Conductor 'Minus', fine silver	1
9	Dielectric 'Minus', LCP	1

Extent of delivery 1 – 9 assembled

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¹⁾Torx® is a registered trademark of Camcar Textron • ²⁾Ultramid is a registered trademark of BASF SE • WBT and nextgen™ are registered trademarks of WBT-Industrie GmbH

WBT - nextgen™



WBT-0110 Ag nextgen™ RCA Plug

RCA / Cinch wideband plug for digital and analog connections



RoHS compliant

Characteristic Impedance 75 Ω up to 1 GHz

(for 75 Ω digital connections and analog broadband applications)



WARNING

This product can expose you to chemicals including phthalates, lead or lead compounds which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

1. Mechanics

- single-element low-tolerance contact elements (Tol. $\pm 0,02\text{ mm}$)
- Central Contact Unit consisting of two moulded contact holders (4), (5) and (8), (9)
- the Ultramid²⁾ Holding Unit (2) grips the central contact unit and also provides the cable strain relief thanks to the Grub Screw (Torx¹⁾ T.6)
- the electrical insulated aluminium Clamping Barrel (6), (7) is axially screwed over the thread of the holder and provides a permanent tight contact pressure. This way, the plug can be adopted perfectly by every type of RCA / Cinch socket
- EMC shielding is effectively achieved by the Clamping Barrel (6), (7) and the Cap (1)

2. Materials

- Signal Conductors (5), (8) fine silver
- Dielectric 'Plus' (4) PA, glass fibre reinforced
- Dielectric 'Minus' (9) LCP
- Cap (1), Grub Screw (3) brass
- Holding Unit (2) PA, glass fibre reinforced
- Clamping Barrel (6), (7) aluminium magnesium alloy

3. Surfaces

- Signal Conductors (5), (8) fine silver, pure
- Clamping Barrel (6), (7) coloured anodized ceramic
- Cap (1) plated, without ferromagnetic intermediate layer
- Holding Unit (2) coloured versions available according to the EIA/CEA standard for multichannel systems

4. Operating Characteristics (reliable observed after more than 10³ connections/disconnections)

- Permanent current $I_D > 10\text{ A}$
- Transition resistance $R_D < 0,1\text{ mOhm}$
- Contact resistance $R_{BI}, R_{Ba} < 0,1\text{ mOhm}$ (patch resistance, inner/outer)
- Self capacitance $C \approx 2,5\text{ pF}$
- Insulation resistance $R_{iB}, R_{iG} > 10^{10}\text{ Ohm}$ (conductor/conductor, conductor/chassis)
- Characteristic impedance $Z = 75\text{ Ohm}$ up to 1 GHz

5. Dimensions

- Outer / inner diameter 13.6 / 9 mm
- Total length 51 mm

6. Mounting

- Connection soldering, crimping (2.8 mm flat push-on cable shoe)
- Cables for cables up to 9 mm dia.

Warning: The use of contacting agents and cleaners containing solvents can lead to damage to the plastic components.