



## NBNC75BNP9

The rearTWIST HD BNC cable connector offers a true 75  $\Omega$  design and is perfectly suitable for HD applications.

The patented rearTWIST boot guarantees easy access even in high density applications and offers color coding.

Suitable cables:

CAE VCB75, Cordial CVI 08-37 HD-FRNC, Helix 734, Tesca Linea

Crimp size:

Pin: 1.6 mm (square)

Shield: 6.47 mm (hex)

### Features & Benefits

- "rearTWIST Principle" locking/unlocking using the easily accessible soft touch boot (Patent DE 100 48507)
- True 75  $\Omega$  design meets the stringent HDTV / DVD requirements
- Snug-fit center pin insert provides tactile feedback
- Excellent cable protection and retention
- Accessories include color coded boots in 10 standard colors, crimp tool and dies
- Ideal for recessed bulkheads where access to the "head" of the connector might be an issue. These connectors turn from the back and not the front.
- Leading area: Avoids tilting due to side forces to protect contacts from deformation. Guarantees a lifetime of min. 1000 mating cycles!
- Shield and jacket crimp technology prevents the problem of an exposed grounding braid on cable assemblies
- Precise Swiss machined brass parts for outstanding durability

**Technical Information**

| Product                |                 |
|------------------------|-----------------|
| <b>Title</b>           | NBNC75BNP9      |
| <b>Connection Type</b> | BNC 75 $\Omega$ |
| <b>Gender</b>          | male            |

| Electrical                   |  |
|------------------------------|--|
| <b>Contact resistance</b>    | $\leq 3$ m $\Omega$ (inner)  |
| <b>Contact resistance</b>    | $\leq 2$ m $\Omega$ (outer)  |
| <b>Dielectric strength</b>   | 1,5 kVdc   |
| <b>Impedance</b>             | 75 $\Omega$  |
| <b>Insulation resistance</b> | $> 5$ G $\Omega$   |
| <b>Rated voltage</b>         | $< 50$ V   |
| <b>VSWR</b>                  | $\leq 1.050 / > 32$ dB up to 1 GHz<br>$\leq 1.065 / > 30$ dB up to 2 GHz<br>$\leq 1.100 / > 26$ dB up to 3 GHz |

| Mechanical              |  |
|-------------------------|--|
| <b>Cable O.D.</b>       | 6.3 mm   |
| <b>Cable retention</b>  | $> 30$ N (Center)  |
| <b>Crimp size</b>       | 6,47 Hex crimp (shield) acc. IEC 60803 (die designation E) |
| <b>Crimp size (pin)</b> | 1,6 Square crimp (pin) acc. IEC 60803 (die designation 2)  |
| <b>Insertion force</b>  | $< 25$ N   |
| <b>Lifetime</b>         | $> 1000$ mating cycles                                     |
| <b>Wiresize</b>         |  |
| <b>Locking device</b>   | Bayonett   |
| <b>Cable anchoring</b>  | Jacket crimping  |

| Material             |   |
|----------------------|---|
| <b>Contacts</b>      | Brass (CuZn35Pb2), 0.2 µm AuCo (Center contact) |
| <b>Insert</b>        | PTFE  |
| <b>Shell</b>         | Brass (CuZn39Pb3)                               |
| <b>Shell plating</b> | Optalloy®                                       |

| Environmental               |   |
|-----------------------------|---|
| <b>Temperature range</b>    | -30 °C to +85 °C                        |
| <b>Contact crimpability</b> | Complies with IEC 60803 and IEC 60352-2 |