



## NBNC75BTS9

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 cable:

Hirschmann KOKA 712Cu

Crimp size:

Pin: 1.6 mm (square)

Shield: 7.01 mm (hex)

## Features & Benefits

- ✓ “rearTWIST Principle” locking/unlocking using the easily accessible soft touch boot (Patent DE 100 48507)
- ✓ 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.
- ✓ True 75  $\Omega$  design meets the stringent HDTV / DVD requirements
- ✓ Leading area: Avoids tilting due to side forces to protect contacts from deformation. Guarantees a lifetime of min. 1000 mating cycles!
- ✓ Snug-fit center pin insert provides tactile feedback
- ✓ Shield and jacket crimp technology prevents the problem of an exposed grounding braid on cable assemblies
- ✓ Excellent cable protection and retention
- ✓ Precise Swiss machined brass parts for outstanding durability
- ✓ Accessories include color coded boots in 10 standard colors, crimp tool and dies

Technical Information

| Product         |            |
|-----------------|------------|
| Title           | NBNC75BTS9 |
| Connection Type | BNC 75 Ω   |
| Gender          | male       |

| Electrical            |                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------|
| Contact resistance    | ≤ 3 mΩ (inner)                                                                      |
| Contact resistance    | ≤ 2 mΩ (outer)                                                                      |
| Dielectric strength   | 1,5 kVdc                                                                            |
| Impedance             | 75 Ω                                                                                |
| Insulation resistance | > 5 GΩ                                                                              |
| Rated voltage         | <50 V                                                                               |
| VSWR                  | ≤1.050/>32 dB up to 1 GHz<br>≤1.065/>30 dB up to 2 GHz<br>≤1.100/>26 dB up to 3 Ghz |

**Mechanical**

|                  |                                                            |
|------------------|------------------------------------------------------------|
| Cable O.D.       | 6.9 mm                                                     |
| Cable retention  | > 30 N (Center)                                            |
| Crimp size       | 7,01 Hex crimp (shield) acc. IEC 60803 (die designation F) |
| Crimp size (pin) | 1,6 Square crimp (pin) acc. IEC 60803 (die designation 2)  |
| Insertion force  | < 25 N                                                     |
| Lifetime         | > 1000 mating cycles                                       |
| Wiresize         |                                                            |
| Locking device   | Bayonett                                                   |
| Cable anchoring  | Jacket crimping                                            |

**Material**

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

**Environmental**

|                      |                                         |
|----------------------|-----------------------------------------|
| Temperature range    | -30 °C to +85 °C                        |
| Contact crimpability | Complies with IEC 60803 and IEC 60352-2 |