



## NBNC75BYY11

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:

Canare L-5CFB, Canare L-4.5CHWS, Canare L-5CFW

Crimp size:

Pin: 1.6 mm (square)

Shield: 8.23 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>           | NBNC75BYY11 |
| <b>Connection Type</b> | BNC 75 Ω    |
| <b>Gender</b>          | male        |

| Electrical                   |   |
|------------------------------|---|
| <b>Contact resistance</b>    | ≤ 3 mΩ (inner)  |
| <b>Contact resistance</b>    | ≤ 2 mΩ (outer)  |
| <b>Dielectric strength</b>   | 1,5 kVdc  |
| <b>Impedance</b>             | 75 Ω  |
| <b>Insulation resistance</b> | > 5 GΩ  |
| <b>Rated voltage</b>         | <50 V   |
| <b>VSWR</b>                  | ≤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              |  |
|-------------------------|--|
| <b>Cable O.D.</b>       | 8 mm   |
| <b>Cable retention</b>  | > 30 N (Center)  |
| <b>Crimp size</b>       | 8,23 Hex crimp (shield) acc. IEC 60803 (die designation G) |
| <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 |