



## NBNC75BFG7

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:

Argosy Image 360, Belden 1855ENH, Bryant BD SD01, CAE HD0628LSZH, Canford SDV, Canford SDV-LFH, Canford SDV-X-LFH, Cordial CVI 06-28, Cordial CVI 06-28HD, Cordial CVI 06-28HD-FRNC, Cordial CVI 3-7, Draka 0.6/2.8 AF, Draka 0.6 L/2.8 AF, Extron BNC-5RC, Fuzion SD-1, Klotz V06/28, Klotz VMXx75Y, Kabeltronik HFV 0.6/2.8 AF- FRNC, Kabeltronik MVP 5x 0.6/2.8 AF-FRNC, Nexans HF 75 0,6/2,9 02YS(ST)CH, Percon VK5, Quadtronics CABPGHD70MW-500, Sommer 600-0101M, Sommer 600-0104M, Tesca Supra

Crimp size:

Pin: 1.6 mm (square)

Shield: 5.0 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         |                 |
|-----------------|-----------------|
| Title           | NBNC75BFG7      |
| Connection Type | BNC 75 $\Omega$ |
| Gender          | male            |

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

| Mechanical       |                                                           |
|------------------|-----------------------------------------------------------|
| Cable O.D.       | 4.7 mm                                                    |
| Cable retention  | $> 30 \text{ N}$ (Center)                                 |
| Crimp size       | 5 Hex crimp (shield) acc. MIL22520/5-43(B)                |
| Crimp size (pin) | 1,6 Square crimp (pin) acc. IEC 60803 (die designation 2) |
| Insertion force  | $< 25 \text{ N}$                                          |
| 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 |