



## 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	
<b>Title</b>	NBNC75BFG7
<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 $\leq 1.065 / > 30$ dB up to 2 GHz $\leq 1.100 / > 26$ dB up to 3 Ghz

Mechanical	
<b>Cable O.D.</b>	4.7 mm
<b>Cable retention</b>	$> 30$ N (Center)
<b>Crimp size</b>	5 Hex crimp (shield) acc. MIL22520/5-43(B)
<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