

UHD-BNC Ultra High Definition 75 Ω Connectors

For some years, the media landscape has been discussing the new digital video format 4k or UHD (Ultra HD) which is to replace the Full HD format widely used today. With a four times higher resolution and higher image frequency, the new format should offer a brilliant picture sharpness and greater colour depth. The big challenge for the technology is to adapt the infrastructure to the transmission of high data volumes and over long distances.

UHD

The UHD BNC plug was specially developed for 4k/8k applications with UHD-cables from leading manufacturers. Thanks to the design optimized for high frequencies, particularly good return loss values of at least -22dB @12 GHz can be achieved.

- Higher data rates up to 24 Gb/s at 12 GHz
- UHD 4k/8k suitable
- Excellent electrical transmission properties
- Transmission length over 100m possible
- Available for the most common cable types



UHD-BNC Cable Plug, straight, crimp/crimp								
Order no.	Cable group	Inner conductor Ø [mm]	Dielectric Ø [mm]	Outer conductor Ø [mm]	Cable sheath Ø [mm]	Belden	Draka	Clark
J01002A0089	G48 (1.6/7.3-10.3)	1.6 +/- 0.05	7.3* +0.1/- 0.25	4.2 +/- 0.4	10.1 +/- 0.4	4731R		
J01002A0090	G27 (1.0/4.6-6.7)	1.0 +/- 0.02	4.65* +/- 0.1	5.15 +/- 0.1	6.75 +/- 0.25	4694R	Ultra HD PRO 100	CD7506
J01002A0091	G39 (0.8/3.7-6.15)	0.8 +/- 0.05	3.8* +/- 0.1	4.5 +/- 0.1	5.9 +/- 0.4	4505R		CD7559
J01002A0092	G41 (0.6/2.8-4.7)	0.6 +0.03/- 0.05	2.9* +/- 0.15	3.5 +/- 0.1	4.7 +/- 0.5	4855R	Ultra HD PRO 50	CD7523

* including cable foil

BNC-Bulkhead Adaptor			
Order no.	Remarks	Return loss	Mount. dim.
J01005A0009	BNC-Bulkhead adaptor with insulating flange, (f-f), 75 OHM, UHD	typ.: 3 GHz: -37 dB; 6 GHz: -35 dB; 12 GHz: -31 dB	Z004

