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Ready for HDTV?

**75 Ohm Components for HDTV
Series BNC and F**

75 Ohm Components for HDTV - Series BNC and F

The so-called High Definition Television (HDTV) places far higher electrical demands on the 75 Ohm BNC- and F-connectors commonly used, in order to improve the system Return Loss performance and, therefore, the signal reflection, up to a frequency of 3 GHz. For this reason, Telegärtner has specially developed a new series of 75 Ohm BNC- and F-connectors with extremely high impedance matching, resulting in excellent Return Loss values (typically -30 dB min up to 3 GHz). Unlike standard F-connectors, all the Telegärtner designs include a centre contact.



F HDTV Straight Plug



BNC HDTV Straight Plug

BNC and F HDTV Straight Plugs, Crimp/Crimp

Part number									
Plugs		Cable Group	Inner Cond. Ø [mm]	Dielectric Ø [mm]	Outer Cond. Ø [mm]	Cable Jacket Ø [mm]	Belden	Draka	Bedeia
BNC	F								
J01002A0058	-	G4	0.30 +/- 0.05	1.50* +/- 0.20	2.00 +/- 0.20	2.70 +/- 0.30	179 DT		
J01002A0018	J01600A0003	G41	0.60 +/- 0.03	2.90* +/- 0.15	3.50 +/- 0.10	4.70 +/- 0.50	1855A	0.6/2.8 AF	0.6/2.8C
J01002A0055	J01600A0004	G39	0.80 +/- 0.05	3.80* +/- 0.10	4.50 +/- 0.10	5.90 +/- 0.40	1505A	0.8/3.7 AF	0.83.7C
J01002A0056	J01600A0005	G27	1.00 +/- 0.02	4.65* +/- 0.10	5.15 +/- 0.10	6.75 +/- 0.25	1694A	1.0/4.8 AF	1.0/4.8C
J01002A0072	-	G51	1.02 +/- 0.02	4.65* +/- 0.10	5.60 +/- 0.15	7.60 +/- 0.25	1694F		
J01002A0054	J01600A0007	G48	1.60 +/- 0.05	7.20* +/- 0.20	8.10 +/- 0.10	10.3 +/- 0.30	7731A	1.6/7.3 AF	1.6/7.3C

* = incl. foil

XM Crimp Tool for BNC and F Plugs



XM Crimp Tool

Part number	Product Description	Cable Group	Crimp Diameter (Hex)	
			Inner cond.	Outer cond.
N00000A0017	XM Crimp Tool for Interchangeable Dies*	-		
N01003A0009	Interchangeable Die for J01002A0058	G4	0.80x1.50	3.25x8.0
N01003A0039	Interchangeable Die for J01002A0018 + J01600A0003	G41	1.25x2.50	5.41x8.0
N01003A0056	Interchangeable Die for J01002A0055 + J01600A0004	G39 / G2	1.25x2.50	6.48x8.0
N01003A0004	Interchangeable Die for J01002A0056 + J01600A0005	G27 / G40	1.69x2.50	7.01x8.0
N01003J1274	Interchangeable Die for J01002A0072	G51	1.69x2.50	8.23x8.0
N01003D1274	Interchangeable Die for J01002A0054 + J01600A0007	G48	2.54x2.30	10.90x10.0

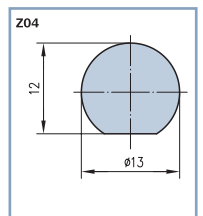
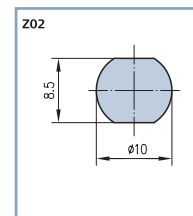
* = Interchangeable dies must be ordered separately

BNC and F HDTV Adaptors



F Adapter

Part number	Adaptor Type	Panel Piercing
J01005A0006	BNC Adaptor (f-f)	-
J01005A0007	BNC Bulkhead Adaptor (f-f)	Z04
J01005A0008	BNC Bulkhead Adaptor with Insulated Flange (f-f)	Z04
J01602A0000	F Adaptor (f-f)	Z02



BNC and F 19" Patch Panels Economy V



BNC Patch Panel

Part number	Product Description	Panel Piercing
H02030A0451	Patch Panel 1 HU for 16 BNC Bulkhead Adaptors (1x16)	Z04
H02030A0452	Patch Panel 1 HU for 24 BNC Bulkhead Adaptors (2x12)	Z04
H02031A0067	Patch Panel 2 HU for 48 BNC Bulkhead Adaptors (3x16)	Z04
H02031A0068	Patch Panel 2 HU for 64 BNC Bulkhead Adaptors (4x16)	Z04
H02030A0459	Patch Panel 1 HU for 24 F Bulkhead Adaptors (2x12)	Z02
U01100A0010	Installation of the Bulkhead Adaptors in the Patch Panel	

i The BNC and F bulkhead adaptors for the patch panels must be ordered separately, and can be factory installed, if required. Front plates with different mounting hole patterns are available.