

NEW 75Ω/3GHz COAXIAL CONTACT



75Ω/3GHz coaxial contact

LEMO launches a new 3GHz contact that can be used in various insulator types, providing solutions for the broadcast market for an alternative to HD - BNC.

This product provides true 75 Ohms performance. In the LEMO B, K, T series or W series shell connector, the users has a reliable brass construction interface. The 3B/3K/3T/3W series can accommodate 3 x HD-SDi signals.

The 4B/4K/4W series can accommodate up to 4 x HD-SDi signals.

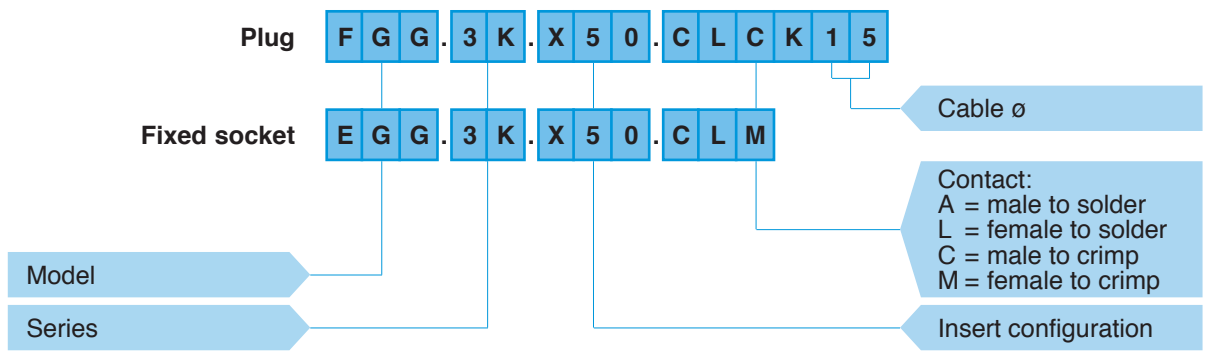
Finally the 5B/5K/5W series can offer a solution for up to 10 x HD-SDi signals.

Features:

- 75 Ω at 3GHz
- VSWR < 1.2
- From HDTV (3B series) to 8K TV (5B series)



Part number system (with LV contacts, without coax contacts)



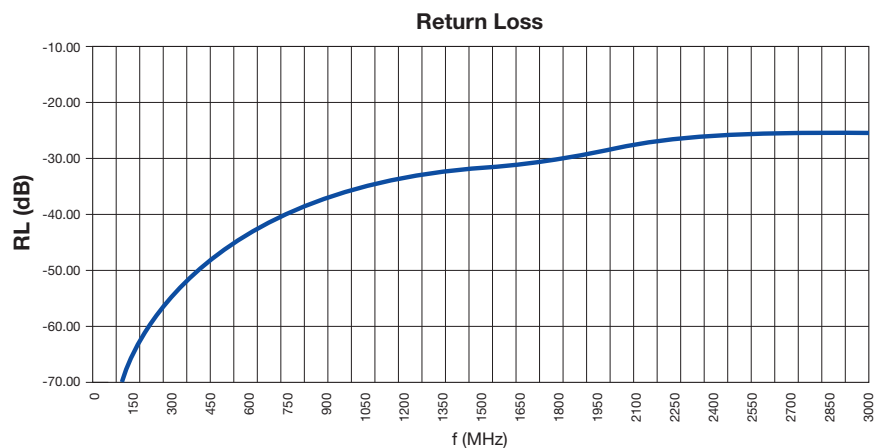
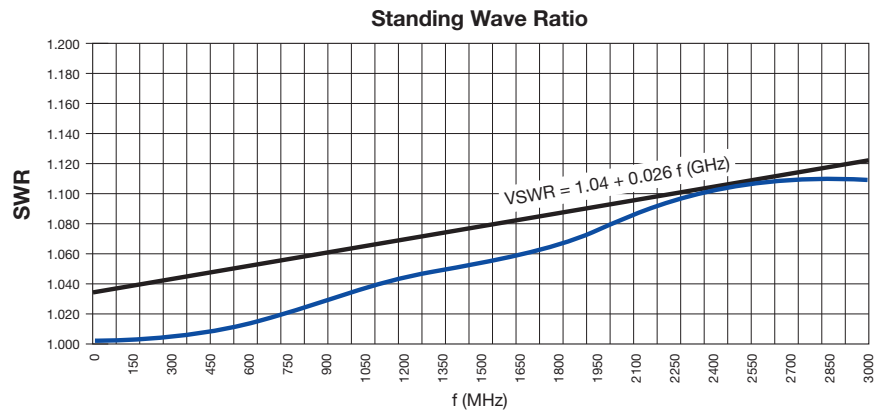
FGG.3K.X50.CLCK15 = straight plug, with key (G) and cable collet, 3K series, coax + LV type, outer shell in chrome-plated brass, PEEK insulator, 2 coax contacts (to order separately) and 10 male LV crimp contacts.

EGG.3B.X50.CLM = fixed socket, nut fixing, with key (G), 3K series, coax + LV type, outer shell in chrome-plated brass, PEEK insulator, 2 coax contacts (to order separately) and 10 female LV crimp contacts.

Coaxial contact part number for RG 179 B/U coax cable, to order separately

Male contact **F F S . 2 B . 2 7 5 . Z T C E 3 1**

Female contact **P S S . 2 B . 2 7 5 . Z T M E 3 1**



Insert configuration (B, K, T and W series)

Mixed: multi coax, coax + LV

		Reference	Number of coaxial contacts	Low voltage (LV)						
				Number of contacts	ø A (mm)	Contacts type		Test voltage (kV rms)	Test voltage (kV dc)	Rated current (A)
						Solder	Crimp			
2B 2K 2T 2W		X10	1	10	0.7	●	●	0.95	1.35	7
3B 3K 3T 3W		X22	1	22	0.7	●	●	0.70	1.00	5
		X44	2	4	0.9	●	●	0.90	1.30	10
		X46	2	6	0.9	●	●	0.90	1.30	10
		X50	2	10	0.7	●	●	0.75	1.05	8
		X56	2	16	0.7	●	●	0.70	1.00	7
		X42	2	–	–	–	–	–	–	–
		X43	3	–	–	–	–	–	–	–
		X62	3	2	0.9	●	●	1.10	1.60	9
4B 4K 4W		X52	2	12	0.9	●	●	0.90	1.30	8
		X56	2	16	0.9	●	●	0.90	1.30	8
		X58	2	18	0.7	●	●	0.80	1.10	7
		X66	3	6	0.7	●	●	0.80	1.10	7
		X85	3	12	0.7	●	●	0.80	1.10	8
		X44	4	–	–	–	–	–	–	–
		X79	4	9	0.7	●	●	0.90	1.30	8

Insert configuration (B, K and W series)

Mixed: multi coax, coax + LV

		Reference	Number of coaxial contacts	Low voltage (LV)						
				Number of contacts	ϕA (mm)	Contacts type		Test voltage (kV rms)	Test voltage (kV dc)	Rated current (A)
						Solder	Crimp			
5B 5K 5W		X40	10	-	-	-	-	-	-	-

Coaxial contacts for B, K, T and W series

Type	Impedance (Ω)	Cond. fixing	Screen fixing	Cond. ϕ maxi	Dielectric ϕ maxi	Sheath ϕ maxi	VSWR (f=GHz)	Test voltage (kV rms)	Rated current (A)
C	75	crimp	crimp	0.4	1.6	3	< 1.2	0.85	1

Note: These contacts require specific tools for assembly on the cable.

Tooling for coaxial contacts of B, K, T and W series

Coaxial contact type	Reference		
	Crimping tool with die	Spanner for tightening the contact	Extractor
C	DPE.99.083.8K	DCP.99.040.TC	DCC.91.384.5LA¹⁾

Note: ¹⁾ for the 3B/3K.243 and 3B/3K.862 the extractor is part number DCC.91.393.4LT.

The type C cavities can be fitted with:

- High Voltage contacts FFS.2B.401.--- / PSS.2B.401.---
- 50 Ω coax contacts FFS.2B.250.--- / PSS.2B.250.---
- F1 optic contacts FFS.F1.--- / PSS.F1.---
- Fluidic contacts FGG.P1.150.--- / EGG.P1.150.---

Contact us for more information (hybrid cables, ...).

LEMO HEADQUARTERS

SWITZERLAND
 LEMO SA
 Chemin des Champs-Courbes 28 - P.O. Box 194 - CH-1024 Ecublens
 Tel. (+41 21) 695 16 00 - Fax (+41 21) 695 16 02 - e-mail: info@lemo.com

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