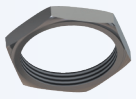
Cable gland series NEVCF for armoured cables "coldflow"

The NEVCF series cable gland is suitable for inserting only circular armored cables into 'Ex db' enclosures with threaded entries and 'Ex eb' or 'Ex tb' enclosures with threaded or flat entries. The NEVCF series cable gland was designed to prevent the phenomenon called "COLD FLOW" that is the tendency of a solid material to deform under the constant stress of mechanical pressure. A cable is defined as "COLD FLOW" when the sheath under the armor undergoes, over time, deformations that undermine the integrity of the cable and the seal of the cable gland itself. The NEVCF cable gland, unlike traditional cable glands, has a rubber seal that closes the cable sheath, ensuring the perfect use in accordance with IEC/EN60079-14 Standard and therefore suitable for use with "COLD FLOW" cables.
To guarantee the IP 66/68 protection degree, NEVCF type cable glands with cylindrical thread are available for use with a flat gasket, while for all other threads, the IP 66/68 protection degree is obtained with the sealant applied on at least two threads complete.



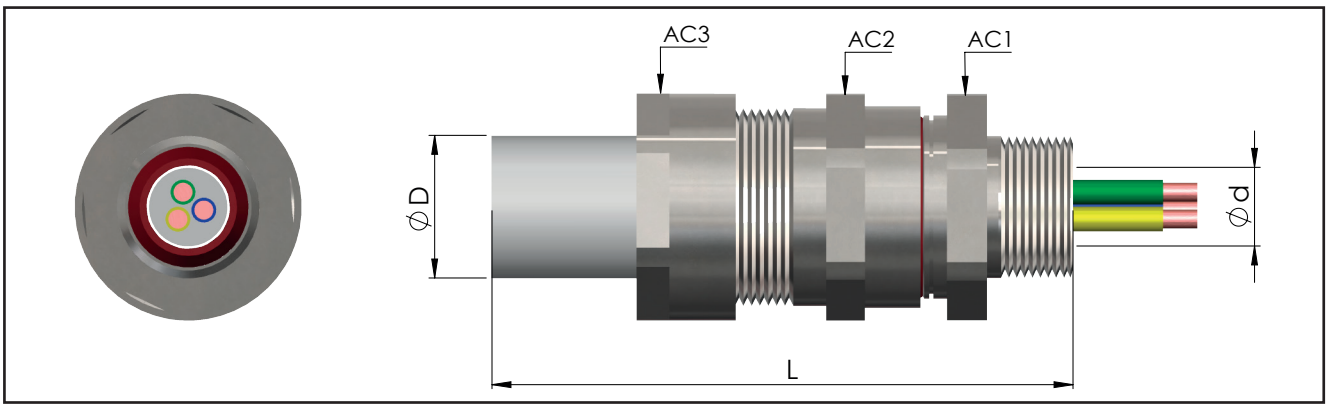
Classification: 2014/34/EU	Group II	Category 2GD
Installation: EN 60079.14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Dust)
Marking:	CE 0722 Ex II 2 GD - Ex db IIC Gb - Ex eb IIC Gb II 2 D - Ex tb IIIC Db	
Certification:	ATEX CESI 24 ATEX 016 X	
	IEC Ex IECEx CES 24.0012X	For IEC Ex and others certifications data can be downloaded at www.elfit.com
Standards:	CENELEC EN 60079-0: 2018, EN 60079-14: 2014, EN 62444: 2013, EN 60529: 1992+A2: 2013, EN 60079-1:2014, EN 60079-7:2015 and EUROPEAN DIRECTIVE 2014/34/UE IEC 60079-0: 2018, IEC 60079-0:2017, IEC 60079-14:2013, IEC 62444:2010, IEC 60529:2001, IEC 60079-1:2014, IEC 60079-7:2015 RoHS Directive 2011/65/UE	
Operating temperature:	-60°C +80°C	
Protection rating:	IP66/67/68	
Design	BS 6121: Part 1:1989, IEC 62444, EN 62444	

Certificates are available on www.elfit.com

KIT UPON REQUEST					
Locknuts	Nickel-plated brass earthing rings	Serrated steinless steel lock washers	Gasket	Black PVC protector	Cable gland code Includes full accessory kit
					NEVCF.../**K**

ED.2026

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www.elfit.com

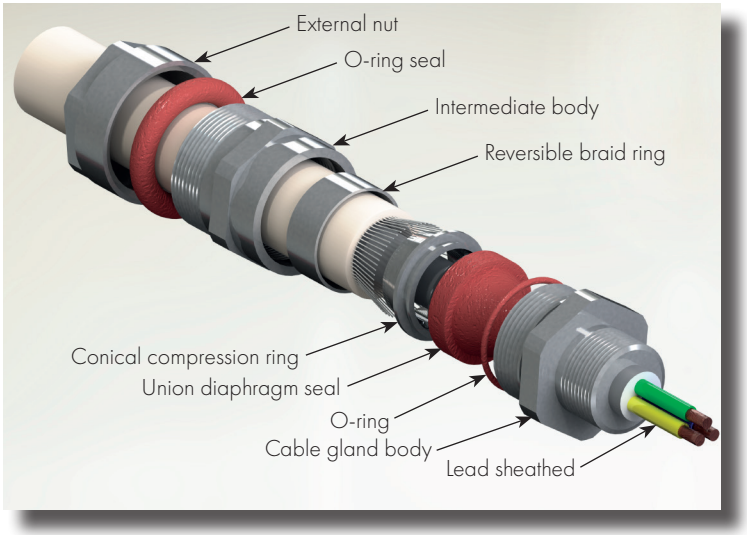


CABLE GLAND SELECTION TABLE

Code Nickel-plated brass	Thread	Code Nickel-plated brass	Thread	Dimensions in mm AC1	AC2	AC3	L (NPT)	L (ISO)	Range Ød min-max Internal cable sheath	ØD min-max Outer sheath of the cable	Armour thickness	Weight Kg
NEVCF01SNB	3/8" NPT	**NEVCF16SIB**	M16x1,5	24	24	22	64	63	3.5 - 8.0	6.5 - 12.0	0.8 - 1.25	
NEVCF01NB	3/8" NPT	**NEVCF16IB**	M16x1,5	24	24	24	61	60	6.0 - 11.0	9.0 - 16.0	0.8 - 1.25	
NEVCF1SNB	1/2" NPT	**NEVCF20SIB**	M20x1,5	24	24	24	66	60	6.0 - 11.0	9.0 - 16.0	0.8 - 1.25	
NEVCF1NB	1/2" NPT	**NEVCF20IB**	M20x1,5	30	30	30	66	60	8.5 - 14.5	12.0 - 20.0	0.8 - 1.25	
NEVCF2NB	3/4" NPT	**NEVCF25IB**	M25x1,5	36	36	36	75	63	12.0 - 20.0	16.0 - 26.0	1.25 - 1.6	
NEVCF3NB	1" NPT	**NEVCF32IB**	M32x1,5	46	46	46	90,5	79,5	17.0 - 26.0	20.0 - 33.0	1.6 - 2.0	
NEVCF4NB	1 ¼" NPT	**NEVCF40IB**	M40x1,5	55	55	55	97	82	23.0 - 32.0	29.0 - 41.0	1.6 - 2.0	
NEVCF5NB	1 ½" NPT	**NEVCF50IB**	M50x1,5	65	65	65	105,7	92,7	29.0 - 41.0	36.0 - 52.0	1.8 - 2.5	
NEVCF6NB	2" NPT	**NEVCF63IB**	M63x1,5	80	80	80	118,7	105,7	40.0 - 56.0	50.0 - 65.0	2.8 - 2.5	
NEVCF7NB	2 ½" NPT	**NEVCF75IB**	M75x1,5	95	95	95	144,7	118,7	54.5 - 68.0	61.0 - 78.0	1.8 - 2.5	
NEVCF8NB	3" NPT	**NEVCF80IB**	M80x1,5	106	106	106	143,2	115,2	67.0 - 73.0	75.0 - 89.0	2.0 - 3.5	
NEVCF9NB	3 ½" NPT	**NEVCF90IB**	M90x1,5	106	106	106	143	115	67.0 - 77.0	75.0 - 89.0	2.0 - 3.5	
NEVCF10NB	4" NPT	**NEVCF100IB**	M100x1,5	127	127	127	158	129	75.0 - 91.0	88.0 - 104.0	2.5 - 4.0	

Sample order code

NEVCF	6	N	B
MODEL	SIZE	THREAD	MATERIAL



NOTE TECNICHE:

- *Silicone o-rings are supplied for cylindrical threads (ISO metric) for the pre-assembled IP seal on the cable gland*
- *The ISO7/1 thread version is available upon request (sample code NEVCF1B)*
- *Also available in stainless steel AISI 316 (sample code NEVCF1N**S**)*
- *Internal ring for armoured cables with larger cross-section*
- *Complete accessory KIT (e.g. code NEVCF40IB/**K**)*