

Cable Fittings: Barrier Cable Gland for Armoured Cable, DACB Series

Flameproof/ Increased Safety and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



Application

The DACB cable glands are suitable for direct insertion of SWA (Steel Wire Armoured) cables into Ex db or Ex eb equipment or enclosures.

Specification

Body, gland nut : Brass
(optional nickel-plated brass)
Thread seal : Nylon (PA6)
(for metric threads only)
Seal : Putty compound, -40°C to +120°C
(2-part; resin/hardener)

Technical Data

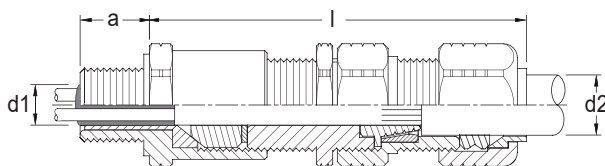
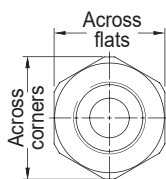
Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Equipment Group/Category	Ex II 2G	Ex II 2D
Symbol of Protection	Ex db IIC Gb / Ex eb IIC Gb	Ex tb IIC Db
Certificate	KDB 26 ATEX 0019X IECEX KDB 26.0002X	
T Rating	Temperature class of enclosure to which will be connected.	
Conformity to Standards	EN IEC 60079-0, EN 60079-1, EN IEC 60079-7, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31	
Ambeint Temperature	-40°C to +75°C	
Index of Protection	IP66	

Note: Cables for fixed installations shall have flame propagation characteristics that enable them to withstand the tests according to IEC 60332-1-2 or IEC 60332-3-22.

Catalogue Number Logic

Series	Body	Thread type	Option
	S Small M Medium L Large	N NPT M Metric	NI Nickel-plated

Ordering Requirements



Brass



Nickel-plated brass
Putty compound



Component-A
(Blue)



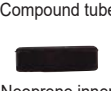
Component-B
(Orange brown)



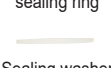
Thread seal



Body
(Entry threads)



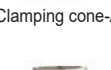
Compound tube



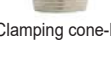
Neoprene inner
sealing ring



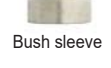
Sealing washer



Clamping cone-A



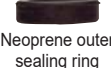
Clamping cone-B



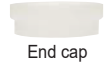
Bush sleeve



Inner gland nut



Neoprene outer
sealing ring



End cap



Outer gland nut

Cat. No.	Entry threads (Male)		Cable diameter		Armour wire dia.	Dimensions in mm				Approx. weight (kg)	Shroud Ref.	
	Metric	NPT	Inner 'd1'	Outer 'd2'		l	a	Across corners	Across flats			
			Min - Max	Min - Max								
DACB /S -M0	- □	M16x1.5	-	3.0-8.3	7.7-12.8	0.9	65.0	15.0	26.5	24.0	0.13	SPV-24
DACB /S -M1	- □	M20x1.5	-				65.0	19.8	26.5	24.0		
DACB /S -N1	- □	-	1/2"				65.0	19.8	26.5	24.0		
DACB /M -M1	- □	M20x1.5	-	6.1-11.3	10.0-14.0	0.9/1.25	65.0	15.0	26.5	24.0	0.14	SPV-24
DACB /M -N1	- □	-	1/2"				65.0	19.8	26.5	24.0		
DACB /L -M1	- □	M20x1.5	-				73.0	15.0	35.0	31.75		
DACB /S -M2	- □	M25x1.5	-	6.5-14.0	13.1-19.8	0.9/1.25	73.0	19.8	35.0	31.75	0.20	SPV-31
DACB /L -N1	- □	-	1/2"				73.0	19.8	35.0	31.75	0.26	
DACB /S -N2	- □	-	3/4"				73.0	20.1	35.0	31.75	0.20	
DACB /M -M2	- □	M25x1.5	-	11.1-19.8	17.1-25.8	1.25/1.6	81.0	15.0	42.0	38.1	0.37	
DACB /S -M3	- □	M32x1.5	-				81.0	20.1	42.0	38.1	0.39	
DACB /M -N2	- □	-	3/4"				81.0	25.0	42.0	38.1		
DACB /S -N3	- □	-	1"	17.0-26.3	21.7-30.8	1.6/2.0	92.0	15.0	49.0	44.4	0.60	SPV-44
DACB /M -M3	- □	M32x1.5	-				92.0	25.0	49.0	44.4	0.65	
DACB /S -M4	- □	M40x1.5	-				92.0	25.6	49.0	44.4	0.60	
DACB /M -N3	- □	-	1"	92.0	25.6	49.0	44.4	0.65				
DACB /S -N4	- □	-	1-1/4"	22.0-32.3	26.4-35.8	1.6/2.0	96.0	15.0	56.0	50.8	0.80	SPV-50
DACB /M -M4	- □	M40x1.5	-				96.0	25.6	56.0	50.8		
DACB /S -M5	- □	M50x1.5	-				96.0	26.0	56.0	50.8		
DACB /M -N4	- □	-	1-1/4"				98.0	15.0	63.0	57.1	0.90	
DACB /S -N5	- □	-	1-1/2"	98.0	26.0	63.0	57.1					
DACB /L -M5	- □	M50x1.5	-	29.5-37.8	37.0-43.3	1.8/2.5	98.0	15.0	70.0	63.5	1.00	SPV-63
DACB /S -M6	- □	M63x1.5	-				98.0	26.0	70.0	63.5		
DACB /L -N5	- □	-	1-1/2"				98.0	26.9	70.0	63.5		
DACB /S -N6	- □	-	2"	39.0-44.3	48.2-54.8	1.8/2.5	99.0	15.0	84.0	76.2	1.35	
DACB /M -M6S	- □	M63x1.5	-				99.0	26.9	84.0	76.2		
DACB /S -M7S	- □	M75x1.5	-				99.0	39.9	84.0	76.2		
DACB /M -N6S	- □	-	2"				99.0	39.9	84.0	76.2		
DACB /S -N7S	- □	-	2-1/2"	44.1-52.3	57.5-63.8	1.8/2.5	99.0	15.0	84.0	76.2	1.35	SPV-76
DACB /M -M6L	- □	M63x1.5	-				99.0	26.9	84.0	76.2		
DACB /S -M7L	- □	M75x1.5	-				99.0	39.9	84.0	76.2		
DACB /M -N6L	- □	-	2"				99.0	39.9	84.0	76.2		
DACB /S -N7L	- □	-	2-1/2"				99.0	39.9	84.0	76.2		