

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	II 2G	II 2D
Symbol of Protection	Ex db IIC Gb / Ex eb IIC Gb	Ex tb IIC Db
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 IEC 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



Brass



Nickel-plated brass

Putty compound



Component-A (Blue)



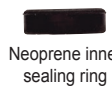
Component-B (Orange brown)



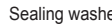
Thread seal



Body (Entry threads)



Compound tube



Neoprene inner sealing ring



Sealing washer



Clamping cone-A



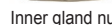
Clamping cone-B



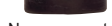
Bush sleeve



Inner gland nut



Neoprene outer sealing ring

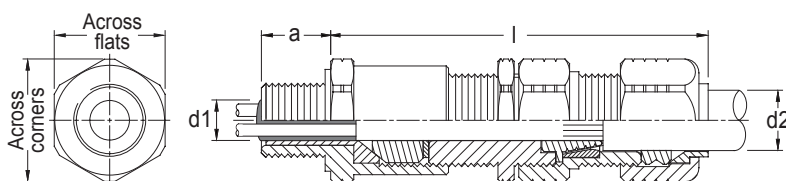


End cap



Outer gland nut

Ordering Requirements



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		
DACB /S -M0	-	-	3.0-8.6	6.0-13.4	0.9	65.0	15.0	26.5	24.0	0.13	SPV-24
DACB /S -M1	-	-				65.0	19.8	26.5	24.0		
DACB /S -N1	-	1/2"	6.1-11.9	9.5-16.0	0.9/1.25	65.0	15.0	26.5	24.0	0.14	SPV-24
DACB /M -M1	-	-				65.0	19.8	26.5	24.0		
DACB /M -N1	-	1/2"	6.5-14.3	12.5-20.9	0.9/1.25	73.0	15.0	35.0	31.75	0.20	SPV-31
DACB /L -M1	-	-				73.0	19.8	35.0	31.75	0.26	
DACB /S -M2	-	-				73.0	19.8	35.0	31.75	0.20	
DACB /L -N1	-	1/2"				73.0	20.1	35.0	31.75	0.26	
DACB /S -N2	-	3/4"	11.1-20.2	16.9-26.2	1.25/1.6	81.0	15.0	42.0	38.1	0.37	SPV-38
DACB /M -M2	-	-				81.0	20.1	42.0	38.1	0.39	
DACB /S -N3	-	1"				81.0	25.0	42.0	38.1	0.60	
DACB /M -N3	-	1"				81.0	25.6	42.0	38.1	0.65	
DACB /S -M3	-	-	17.0-26.5	22.0-31.9	1.6/2.0	92.0	15.0	49.0	44.4	0.60	SPV-44
DACB /M -M3	-	-				92.0	25.0	49.0	44.4	0.65	
DACB /S -M4	-	-				92.0	25.0	49.0	44.4	0.60	
DACB /M -N4	-	1-1/4"				92.0	25.6	49.0	44.4	0.65	
DACB /M -M4	-	-	22.0-32.5	26.0-38.5	1.6/2.0	96.0	15.0	56.0	50.8	0.80	SPV-50
DACB /S -M5	-	-				96.0	25.6	56.0	50.8	0.90	
DACB /M -N4	-	1-1/4"				96.0	26.0	56.0	50.8	0.90	
DACB /S -N5	-	1-1/2"				96.0	15.0	63.0	57.1	0.90	
DACB /M -M5	-	-	29.5-38.1	35.0-46.8	1.8/2.5	98.0	26.0	63.0	57.1	1.00	SPV-57
DACB /S -N6	-	1-1/2"				98.0	26.0	63.0	57.1	1.00	
DACB /M -N5	-	1-1/2"				98.0	15.0	70.0	63.5	1.35	
DACB /L -M5	-	-				98.0	26.0	70.0	63.5	1.35	
DACB /S -M6	-	-	35.6-44.0	38.0-50.1	1.8/2.5	98.0	26.9	70.0	63.5	1.35	SPV-63
DACB /L -N5	-	1-1/2"				98.0	26.9	70.0	63.5	1.35	
DACB /S -N6	-	2"				99.0	15.0	84.0	76.2	1.35	
DACB /M -M6S	-	-				99.0	26.9	84.0	76.2	1.35	
DACB /S -M7S	-	-	39.0-44.0	47.0-55.0	1.8/2.5	99.0	15.0	84.0	76.2	1.35	SPV-76
DACB /M -N6S	-	2"				99.0	26.9	84.0	76.2	1.35	
DACB /S -N7S	-	2-1/2"				99.0	39.9	84.0	76.2	1.35	
DACB /M -M6L	-	-				99.0	39.9	84.0	76.2	1.35	
DACB /S -M6L	-	-	44.1-54.0	55.1-65.0	1.8/2.5	99.0	15.0	84.0	76.2	1.35	SPV-76
DACB /M -M7L	-	-				99.0	26.9	84.0	76.2	1.35	
DACB /M -N6L	-	2"				99.0	26.9	84.0	76.2	1.35	
DACB /S -N7L	-	2-1/2"				99.0	39.9	84.0	76.2	1.35	