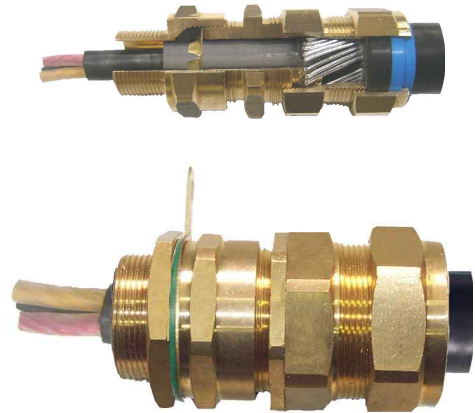


Armoured / Un-armoured Cable Gland

❖ Application

These cable glands are used ;

- suited to armoured/un-armoured cables used mainly in areas where British Standards apply.
- particularly suited to Steel Wire Armoured Cable.
- compliance to BS 6121:1989.
- available in standard industrial or explosion protected designs for "Ex" equipment in both "flameproof" and "increased" enclosures (E1FW, E2FW, A2F).
- can be used in Zone 1 and Zone 2 (E1FW, E2FW, A2F)
- degree of protection max. IP66.
- available in metric and NPT inlet threads.
- Operating Temperature : -20°C ~ +80°C



❖ Features

- 2 or 3 part armour / earth lock.
- Knurled armour lock produces a low resistance earth clamp.
- Inner and outer displacement seal.
- Gland entry rated at IP66 with NAMBUK entry thread seal.
- Easy and fast to install.
- Displacement seal concept ensures effective seal to inner and outer sheath.
- Displacement seals suited to most hostile environments.

❖ Standard Finish

- Natural / Nickel Plated
- If you want another finish, contact us please.

❖ Standard Materials

- Body : Brass, Ni-Brass, Aluminium
- Lock Nut : Brass, Ni-Brass, Aluminium
- Earth Tag : Brass
- Metric Entry Thread Seal : Nylon
- Shroud : PVC / LSF

❖ Options

- Combination concept
- Alternative materials / plating
- Cast integral earth lug
- Entry thread : NPT, PF and the others
- EeCFC Seal for cable exhibit "cold flow" characteristics

❖ Degree of Protection

Gland Type	Entry thread		PVC shroud and entry thread	
	with seal	without seal	with seal	without seal
E1FW, E2FW, A2F	IP 66	IP 54	IP 66	IP 54

❖ Gland Selection

Gland Type		E1FW	E2FW	A2F
Cable Type	SWA	◆	◆	
	SWA Lead Sheathed		◆	
	Un-armoured			◆
Seal	Outer only			◆
	Outer + Inner	◆	◆	
For	Indoor	◆	◆	◆
	Outdoor	◆	◆	◆
	Zone 1 & 2	◆	◆	◆

- 1) Check conditions of use (i.e. industrial, Ex d, etc)
- 2) Check cable external diameter
- 3) Check cable under-armour diameter
- 4) Check type of armour and thickness
- 5) Check accessories (i.e. shrouds, earth tags etc)

❖ Entry Thread

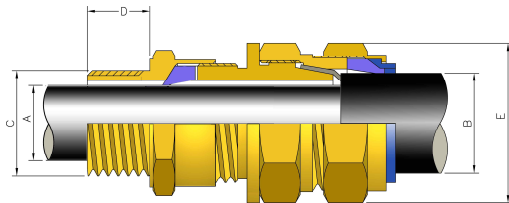
Size	Metric	NPT	PF
20/16	20	1/2"	1/2"
20S	20	1/2"	1/2"
20	20	1/2", 3/4"	1/2", 3/4"
25	25	3/4", 1"	3/4", 1"
32	32	1", 1-1/4"	1", 1-1/4"
40	40	1-1/4", 1-1/2"	1-1/4", 1-1/2"
50S	50	1-1/2"	1-1/2"
50	50	2"	2"
63S	63	2"	2"
63	63	2-1/2"	2-1/2"
75S	75	2-1/2"	2-1/2"
75	75	3"	2-1/2" or 3"
90	90	3-1/2"	3" or 3-1/2"
100	100	4"	-

Armoured Cable Gland for SWA Cable, Explosion-proof Type

❖ Certification

Ex db IIC Gb/ Ex eb IIC Gb/ Ex tb IIIC Db IP66 (IECEX KOS 08.0016X)
EX d IIC Gb/ Ex e IIC Gb/ Ex tb IIIC Db IP66 (INERIS 08ATEX0043X)
Ex d IIC Gb/ Ex e IIC Gb/ Ex tb IIIC Db IP66 (IECEX KTL 16.0008X)

❖ Technical Data



Type	E1FW	Cable Type	Steel Wire Armour
Gland Material	Brass	Sealing Area	Inner & Outer Sheath
Seal Material	Thermoplastic Elastomer	For Area	Indoor, outdoor Hazardous Area

❖ Ordering Number & Dimension

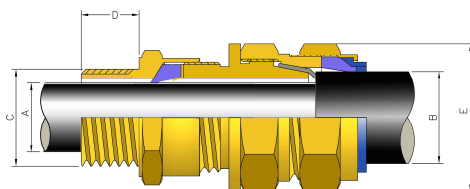
Cable Gland Size	Entry Thread 'C'			Thread Length 'D'	Cable Dimensions				Armour Wire Dia (SWA)	Max Dia 'E'
	Metric	NPT	PF		Cable Dia 'A' Min	Cable Dia 'A' Max	Cable Dia 'B' Min	Cable Dia 'B' Max		
20/16	20	1/2"	1/2"	18	3.0	8.6	14.0	14.0	0.9	25
20S	20	1/2"	1/2"	18	6.0	11.6	14.0	15.9	0.9/1.25	31
20	20	1/2"	1/2"	18	8.0	13.9	14.0	20.9	0.9/1.25	34
25	25	3/4"	3/4"	20	13.0	19.9	18.1	26.2	1.25/1.6	44
32	32	1"	1"	23	17.0	26.2	24.3	33.9	1.6/2	53
40	40	1-1/4"	1-1/4"	23	24.0	32.1	28.0	40.4	1.6/2	61
50S	50	1-1/2"	1-1/2"	23	30.0	38.1	38.0	46.7	2/2.5	67
50	50	2"	2"	25	36.0	44.0	43.0	53.1	2/2.5	78
63S	63	2"	2"	25	42.0	49.9	48.6	59.4	2.5	80
63	63	2-1/2"	2-1/2"	30	48.0	55.9	56.2	65.9	2.5	88
75S	75	2-1/2"	2-1/2"	30	52.8	61.9	60.2	72.1	2.5	104
75	75	3"	2-1/2"	30	55.0	64.0	61.0	78.5	2.5/3.15	110
90	90	3"	3"	30	68.0	79.3	81.4	90.4	3.15	127
100	100	-	-	24	76.0	88.1	86.1	101.4	3.15/4	125
100	-	4"	-	44	76.0	88.1	86.1	101.4	3.15/4	125

❖ Accessory

- Shrouds, Earth Tags, Locknuts, Metric Entry Thread Seals – see accessory page.

❖ Option

- Can choice EeCFC Seal instead of standard seal when use with certain cable type that exhibit "cold flow" characteristics



❖ Technical Data

Type	E2FW	Cable Type	Lead Covered Steel Wire Armour
Gland Material	Brass	Sealing Area	Inner & Outer Sheath
Seal Material	Thermoplastic Elastomer	For Area	Indoor, Outdoor Hazardous Area

❖ Ordering Number & Dimension

Cable Gland Size	Entry Thread 'C'			Thread Length 'D'	Cable Dimensions				Armour Wire Dia (SWA)	Max Dia 'E'
	Metric	NPT	PF		Cable Dia 'A' Min	Cable Dia 'A' Max	Cable Dia 'B' Min	Cable Dia 'B' Max		
20S	20	1/2"	1/2"	18	6.6	11.6	14.0	15.9	0.9/1.25	31
20	20	1/2"	1/2"	18	8.0	13.9	14.0	20.9	0.9/1.25	34
25	25	3/4"	3/4"	20	13.0	19.9	22.8	26.2	1.25/1.6	44
32	32	1"	1"	23	17.0	26.2	24.0	33.9	1.6/2	53
40	40	1-1/4"	1-1/4"	23	24.0	32.1	30.0	40.4	1.6/2	61
50S	50	1-1/2"	1-1/2"	23	30.0	38.1	37.5	46.7	2/2.5	67
50	50	2"	2"	25	36.0	44.0	43.5	53.1	2/2.5	78
63S	63	2"	2"	25	42.0	49.9	49.5	59.4	2.5	80
63	63	2-1/2"	2-1/2"	30	48.0	55.9	56.5	65.9	2.5	88
75S	75	2-1/2"	2-1/2"	30	52.8	61.9	56.5	72.1	2.5	104
75	75	3"	2-1/2"	30	57.0	64.0	61.0	78.5	2.5/3.15	110
90	90	3"	3"	30	69.0	79.3	78.0	90.4	3.15	127
100	100	-	-	24	76.0	88.1	86.1	101.4	3.15/4	125
100	-	4"	-	44	76.0	88.1	86.1	101.4	3.15/4	125

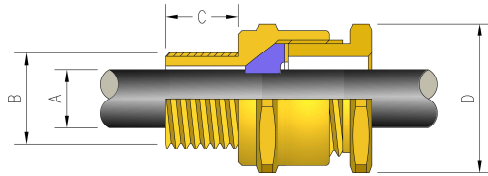
❖ Accessory

- Shrouds, Earth Tags, Locknuts, Metric Entry Thread Seals – see accessory page.

Unarmoured Cable Gland Explosion-proof Type

❖ Certification

Ex db IIC Gb/ Ex eb IIC Gb/ Ex tb IIIC Db IP66 (IECEX KOS 08.0015X)
EX d IIC Gb/ Ex e IIC Gb/ Ex tb IIIC Db IP66 (INERIS 08ATEX0042X)
Ex d IIC Gb/ Ex e IIC Gb/ Ex tb IIIC Db IP66 (IECEX KTL 16.0007X)



❖ Technical Data

Type	A2F	Cable Type	Unarmoured
Gland Material	Brass	Sealing Area	Outer Sheath
Seal Material	Thermoplastic Elastomer	For Area	Indoor, Outdoor Hazardous Area

❖ Ordering Number & Dimension

Cable Gland Size	Entry Thread 'B'			Thread Length 'C'	Cable Dia 'A'		Max Dia 'D'
	Metric	NPT	PF		Min	Max	
20/16	20	1/2"	1/2"	17	3.0	8.0	26
20S	20	1/2"	1/2"	17	6.0	11.5	32.5
20	20	1/2"	1/2"	17	11.0	13.5	32.5
25	25	3/4"	3/4"	20	13.2	19.5	41
32	32	1"	1"	23	17.0	25.5	55
40	40	1-1/4"	1-1/4"	23	22.3	32.0	60
50S	50	1-1/2"	1-1/2"	24	31.6	37.0	70
50	50	2"	2"	26	35.7	43.0	86
63S	63	2"	2"	26	40.3	50.0	86
63	63	2-1/2"	2-1/2"	30	47.3	55.0	97
75S	75	2-1/2"	2-1/2"	30	53.0	61.0	97
75	75	3"	2-1/2"	30	60.5	67.0	109
90	90	3"	3"	30	66.7	79.0	120
100	100	—	—	24	76.0	91.0	135
100	—	4"	—	44	76.0	91.0	135

❖ Accessory

- Shrouds, Earth Tags, Locknuts, Entry Thread Seals – see accessory page.