

FLPWB Cable Gland

Barrier Cable Gland for Steel Wired Armoured Cable

Applications

Indoor and Outdoor use in hazardous areas

Standards

IEC 60079 - 0:2004 IEC 60079 - 1:2007
IEC 61241 - 0:2004 IEC 61241 - 1:2004

Function

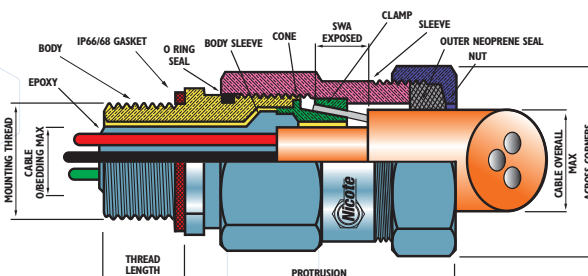
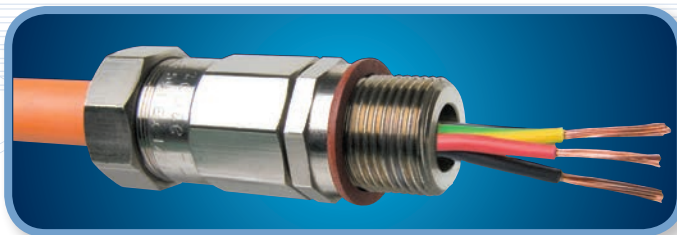
Provides Barrier Epoxy Seal to Cable Cores,
Armour Clamp, and Seal on Outer Sheath

Protection Class

ANZEx 11.2001X IECEx SIM 11.0002X
Ex d I/IIC Ingress of water
IP66/68 (30m)

Construction

Nickel Plated Brass Components



Part Number	Mounting Thread		Cable Acceptance Details				Cable Gland		SWA Exposed (mm)	Inner Carton Pack Quantity
	Size (mm)	Length (mm)	O/bedding	Overall Diameter		SWA Dia. (mm)	Across Corners (mm)	Protrusion (mm)		
			Max (mm)	Min (mm)	Max (mm)					
FLPW203B	M20 x 1.5	15.80	9.75	12.50	15.50	0.90 - 1.25	27	54	11.5	14
FLPW206B	M20 x 1.5	15.80	13.75	15.00	20.00	0.90 - 1.25	33	54	11.5	14
FLPW256B	M25 x 1.5	19.00	18.75	19.50	26.00	1.25 - 1.60	41	56	11.5	10
FLPW326B	M32 x 1.5	25.40	26.50	25.50	34.00	1.60 - 2.00	5	64	13.5	6
FLPW405B	M40 x 1.5	25.40	32.75	33.50	41.50	1.60 - 2.00	61	72	15.5	2
FLPW503B	M50 x 1.5	28.60	38.50	41.00	49.00	2.00 - 2.50	76	88	17	2
FLPW505B	M50 x 1.5	28.60	44.45	48.50	55.50	2.00 - 2.50	87	88	17	2
FLPW635B	M63 x 1.5	28.60	52.40	55.00	63.50	2.50 - 3.15	102	96	19	1
FLPW636B	M63 x 1.5	28.60	56.25	63.00	68.00	2.50 - 3.15	102	96	19	1
FLPW754B	2.5" BSP	28.60	63.50	67.50	76.00	2.50 - 3.15	116	100	23	1
FLPW755B	2.5" BSP	28.60	66.70	75.50	79.40	2.50 - 3.15	116	100	23	1

Product specifications may change at any time without notice.

Fitting Instructions

- To comply with IP66/68 approvals, the fibre gasket must be installed on the mounting thread.
- Pass Nut, Seal and Sleeve over the outer sheath of cable (Where more than 1 seal is supplied, use the seal with the smallest clearance on the cable).
- Measure the length of cores required and strip the outer sheath and armour wires to the length shown in Table 1.
- Remove the Bedding and any fillers to the length shown in Table 2.
- Slide the clamp over the armour wires and work the Cone over the bedding and under the SWA.
- Locate the Body onto the Cores and hold hard against the face of the Cone. Screw the Sleeve onto the Body and tighten, now tighten the nut onto the sleeve.
- Remove the Body from the assembly.
- Prepare the epoxy putty. This is a 2 part pack and must be mixed in a ratio of 1 to 1 until the colour is even throughout, without any streaks. After mixing it remains pliable for at least 1 hour. (see Useable Life for Mixed Epoxy below)

Note: The Red Epoxy component is affected by storage temperature. Please check to ensure this component is as pliable as the yellow component. It is recommended that the epoxy should be mixed and fitted only with the user wearing the disposable gloves supplied with every gland.

- Spread the conductors and apply to epoxy to the EXPOSED CENTRE of the conductors. Close the conductors and pack putty into the recess of the cone and down onto the top of the bedding material leaving a shoulder of putty to fill the sleeve cup.

Continue folding putty round the conductors and working it well in between them, joining with that extruded from the core center avoiding any gaps or voids. Cover the conductors from the face of the cone to the length equal at least to the length of the Sleeve.

- Assemble the Sleeve over the epoxy until it fits into the Cone. Remove any surplus epoxy.
- Reassemble the Body, tighten and allow at least three hours for the epoxy to reach correct hardness.
- Remove the Body, fit to the equipment the reassemble completed fitting.

Gland	Table 1 (mm)	Table 2 (mm)
FLPW203B	11.50	13.50
FLPW206B	11.50	13.50
FLPW256B	11.50	13.50
FLPW326B	13.50	15.50
FLPW405B	15.50	17.50
FLPW503B	17.00	17.50
FLPW505B	17.00	19.50
FLPW635B	19.00	21.00
FLPW636B	19.00	21.00
FLPW754B	23.00	25.00
FLPW755B	23.00	25.00

Useable Life for Mixed Epoxy
This will depend upon the bulk mass and temperature.
Approximate figures are:
25 grams wt 2 hours @ 25deg. C
25 grams wt 3 hours @ 15deg. C

Cure
This will depend upon the bulk mass and temperature.
Approximate figures are:
25 grams wt 12 hours @ 25deg. C
25 grams wt 24 hours @ 15deg. C

Mechanical properties of cured mix
Tensile strength BS6319 2 days min. 30MPa
Compressive strength BS6319 2 days min. 40MPa
Hardness min 75 shore D
Specific Gravity @ 20 deg. C 1.84 to 1.99