



Cable Glands Catalogue



TriFlex

Manufacturing



Introduction

When safety matters, there is only one choice.

The Sealsafe range of metal cable glands are your guarantee of safety in hazardous locations especially where fire and explosion are an identified risk.

The current Sealsafe range is quite simply the best available because they do not compromise on safety – and that's what counts!

Take a look at just some of the features that make Sealsafe the first choice:

Highly durable nickel plating

Sealsafe glands are coated in a proprietary 2 coat plating process that ensures all metal components will not degrade and potentially let you down over time.

Comprehensive Range

The greater the range of cable sizes a gland is designed to cover, the higher the risk of seals failing. Sealsafe contains a comprehensive range with smaller cable acceptance increments that also allows the gland bodies to be smaller and hence easier to use when space is tight.

Full Approvals

Don't just take our word for it, independent test bodies have confirmed that the Sealsafe gland range complies with relevant standards.

Neoprene Seals

All Sealsafe glands use high quality Neoprene seals that retain their tension and are resistant to oil, chemicals and flame making them the best choice for hazardous applications.

IP66/68 Protection

All Sealsafe glands classified for indoor/outdoor use are supplied with IP66/68 gaskets for installation on the mounting thread and neoprene seals on the cable sheath. This level of protection means that the glands are protected from the ingress of dust and water. Anything less is unacceptable and compromises safety.

O'Ring Seals

All Sealsafe glands designed for SWA cable and classified for indoor/outdoor use, feature o'ring seals between the body and sleeve to ensure that water cannot progress along the thread and compromise the seal. Just another safety feature.

Easy to use

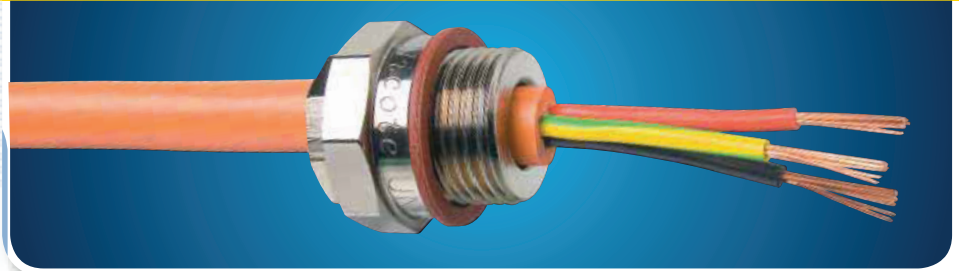
The ability to easily produce a tight seal and correct earth everytime is of primary importance. All Sealsafe glands are designed to be easy to use and to ensure that the installer can see that the correct fitting instructions have been followed. For example, all SWA flameproof glands feature a loose clamping cone so that the installer can see that the armour is fully secured.





UT Cable Gland

GENERAL PURPOSE CABLE GLAND FOR CIRCULAR CABLE



Applications

Indoor and Outdoor use in hazardous areas

Standards

AS60529 - 2004

Function

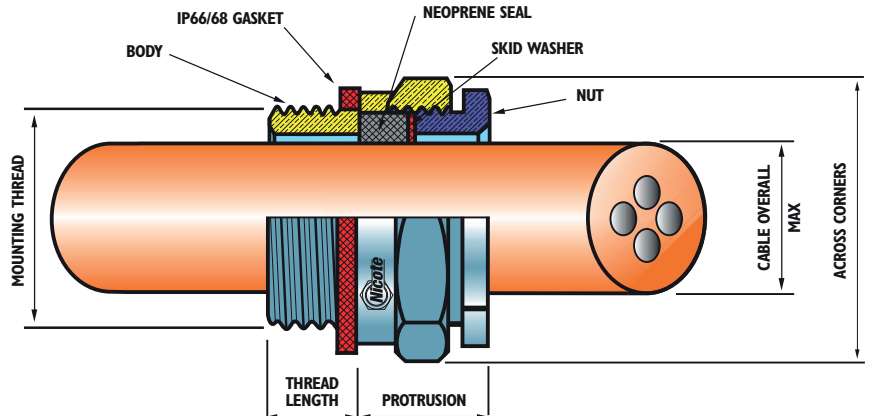
Provides Seal on Cable Sheath

Protection Class

Ingress of water
IP66/68 (30m)

Construction

Sealsafe Plated Brass Components



Part Number	Mounting Thread		Cable Acceptance Details		Cable Gland	
	Size (mm)	Length (mm)	Overall Diameter		Across Corners (mm)	Protrusion (mm)
			Min. (mm)	Max. (mm)		
UT12A	1/2" x 26 TPI	10	1.0	6.0	18.3	13
UT16A	M16 x 1.5	10	1.0	6.0	20.6	13
UT20A	M20 x 1.5	10	6.0	10.6	27.5	14
UT20B	M20 x 1.5	10	10.6	15.0	30.9	16
UT25A	M25 x 1.5	10	15.0	20.0	33.0	17
UT32A	M32 x 1.5	10	20.0	25.0	40.7	18
UT40A	M40 x 1.5	16	25.0	30.0	51.1	21
UT40B	M40 x 1.5	16	30.0	35.0	55.0	23
UT50A	M50 x 1.5	16	35.0	40.0	60.9	23
UT50B	M50 x 1.5	16	40.0	45.0	67.0	24
UT63A	M63 x 1.5	19	45.0	50.0	78.0	25
UT63B	M63 x 1.5	19	50.0	55.0	88.0	32

Product specifications may change at any time without notice.

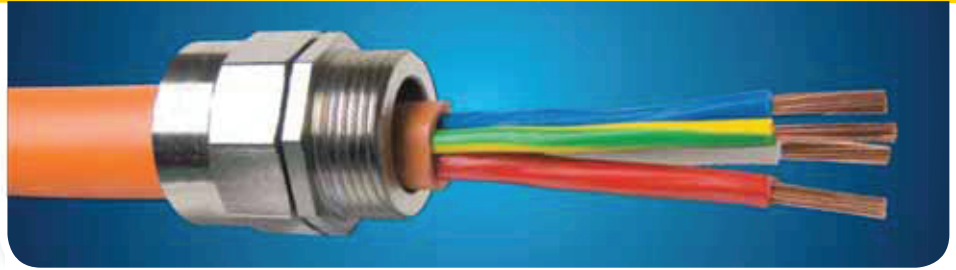
Fitting Instructions

1. To comply with IP66/68 approvals, the fibre gasket must be installed on the mounting thread.
2. Screw the gland body into the apparatus, or use a locknut to secure body.
3. Pass the cable through the gland to the required position and tighten gland nut so that the seal grips firmly onto the cable.



GT Cable Gland

GENERAL PURPOSE CABLE GLAND FOR STEEL WIRED ARMoured CABLE



Applications

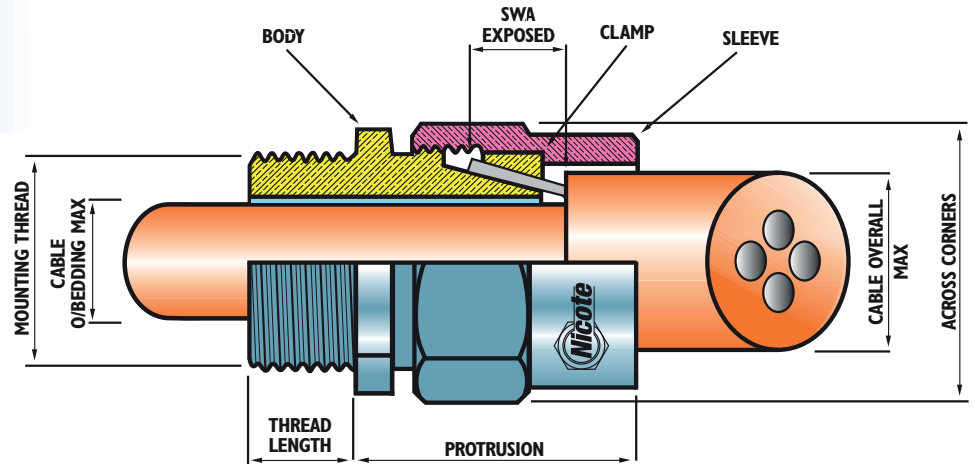
Indoor use

Function

Provides Armour Clamp

Construction

Sealsafe Plated Brass Components



Part Number	Mounting Thread		Cable Acceptance Details				Cable Gland		SWA Exposed (mm)
	Size (mm)	Length (mm)	O/bedding (mm)	Overall Diameter		SWA Dia. (mm)	Across Corners (mm)	Protrusion (mm)	
				Max. (mm)	Min. (mm)				
GT164	M16 x 1.5	10.00	7.20	7.40	10.80	0.90 - 1.25	20.5	21.5	8.0
GT204	M20 x 1.5	10.00	11.00	10.40	17.00	0.90 - 1.25	25.2	26.3	8.0
GT206	M20 x 1.5	10.00	13.75	16.60	20.00	0.90 - 1.25	27.5	26.3	8.0
GT254	M25 x 1.5	10.00	16.25	19.60	22.50	0.90 - 1.25	30.3	26.3	8.0
GT256	M25 x 1.5	10.00	18.75	22.10	26.00	1.25 - 1.60	33.6	35.7	10.5
GT324	M32 x 1.5	10.00	22.75	25.60	30.00	1.25 - 1.60	39.5	38.7	12.0
GT326	M32 x 1.5	10.00	26.50	29.60	34.00	1.60 - 2.00	44.5	38.7	12.0
GT405	M40 x 1.5	15.00	32.75	33.60	41.50	1.60 - 2.00	54.2	44.6	14.0
GT503	M50 x 1.5	15.00	38.50	41.10	49.00	2.00 - 2.50	60.3	51.3	15.5
GT505	M50 x 1.5	15.00	44.45	48.60	55.50	2.00 - 2.50	66.7	54.5	15.5
GT636	M63 x 1.5	19.00	56.25	55.10	68.25	2.50 - 3.15	82.6	56.0	17.5
GT753	2.5" BSP	19.00	60.35	67.85	73.00	2.50 - 3.15	95.3	60.0	21.5
GT755	2.5" BSP	19.00	66.70	72.60	79.40	2.50 - 3.15	101.6	60.0	21.5

Product specifications may change at any time without notice.

Fitting Instructions

1. Screw the gland body into the apparatus.
2. Pass the gland sleeve over the cable before commencing to strip the outer sheath of the cable.
3. Measure the length of tails required and add about 75mm to the outer sheath and armour to this point.
4. Strip the outer sheath.
5. Cut the armour wire to the SWA exposed length in the table.
6. Pass the armour clamp over the armour.
7. Pass the armour cone over the bedding and under the armour wires.
8. Pass the bedding through the gland body.
9. Engage sleeve thread onto body thread and tighten securely.



WGT Cable Gland

GENERAL PURPOSE CABLE GLAND FOR STEEL WIRED ARMoured CABLE



Applications

Indoor and outdoor use

Function

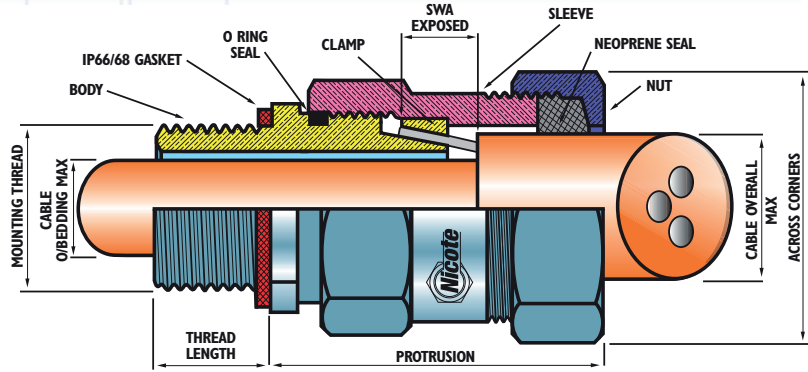
Provides armour clamp, and seal on outer sheath

Protection Class

Ingress of water
IP66/68

Construction

Sealsafe Plated Brass Components



Part Number	Mounting Thread		Cable Acceptance Details				Cable Gland		
	Size (mm)	Length (mm)	O/bedding Max. (mm)	Overall Diameter		SWA Dia. (mm)	Across Corner (mm)	Protrusion (mm)	SWA Exposed (mm)
				Min. (mm)	Max. (mm)				
WGT162	M16 x 1.5	14	6.00	8.00	9.60	0.50 - 0.90	24.1	36	8
WGT164	M16 x 1.5	14	7.20	9.20	10.80	0.50 - 0.90	24.1	36	8
WGT202	M20 x 1.5	14	8.00	10.40	12.00	0.50 - 0.90	25.3	40	9
WGT203	M20 x 1.5	14	9.75	11.60	15.50	0.90 - 1.25	27.5	40	9
WGT204	M20 x 1.5	14	11.00	15.10	17.00	0.90 - 1.25	27.5	40	9
WGT206	M20 x 1.5	14	13.75	16.60	20.00	0.90 - 1.25	33.0	40	9
WGT254	M25 x 1.5	14	16.25	19.60	22.50	0.90 - 1.25	36.4	40	9
WGT256	M25 x 1.5	14	18.75	22.10	26.00	1.25 - 1.60	40.7	47	11
WGT324	M32 x 1.5	14	22.75	25.60	30.00	1.25 - 1.60	49.8	55	12
WGT326	M32 x 1.5	14	26.50	29.60	34.00	1.60 - 2.00	49.8	55	12
WGT403	M40 x 1.5	15	28.50	33.60	37.00	1.60 - 2.00	60.9	59	13
WGT404	M40 x 1.5	15	30.75	36.60	39.50	1.60 - 2.00	60.9	59	13
WGT405	M40 x 1.5	15	32.75	39.10	41.50	1.60 - 2.00	60.9	59	13
WGT502	M50 x 1.5	15	35.75	41.10	45.00	2.00 - 2.50	76.0	73	14
WGT503	M50 x 1.5	15	38.50	44.60	49.00	2.00 - 2.50	76.0	73	14
WGT504	M50 x 1.5	15	41.65	48.60	53.50	2.00 - 2.50	86.5	73	14
WGT505	M50 x 1.5	15	44.45	53.10	55.50	2.00 - 2.50	86.5	73	14
WGT634	M63 x 1.5	19	48.80	55.10	60.35	2.50 - 3.15	101.9	79	15
WGT635	M63 x 1.5	19	52.40	59.95	63.50	2.50 - 3.15	101.9	79	15
WGT636	M63 x 1.5	19	56.25	63.10	68.25	2.50 - 3.15	101.9	79	15
WGT753	2.5" BSP	19	60.35	67.85	73.00	2.50 - 3.15	115.6	93	22
WGT754	2.5" BSP	19	63.50	72.60	76.20	2.50 - 3.15	115.6	93	22
WGT755	2.5" BSP	19	66.70	75.80	79.40	2.50 - 3.15	115.6	93	22
WGT10A	3" BSP	19	70.00	79.00	84.00	3.15	124.0	90	22
WGT10B	3" BSP	19	76.00	83.60	88.50	3.15	124.0	90	22

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.
- Screw the gland body into the apparatus.
- Pass the gland nut, outer seal and gland sleeve over the cable before commencing to strip the outer sheath of the cable.
- Measure the length of tails required and add about 75 mm to the outer sheath and armour to this point.
- Strip the outer sheath.
- Cut the armour wire to SWA exposed length.
- Pass the armour clamp over the armour.
- Pass the body and armour cone over the bedding and under the armour wires.
- Engage sleeve thread onto body thread and tighten securely.
- Slide outer seal and gland nut into position and engage nut thread onto sleeve thread.
- Tighten gland nut securely.



FLWT Cable Gland

FLAMEPROOF CABLE GLAND FOR STEEL WIRE 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

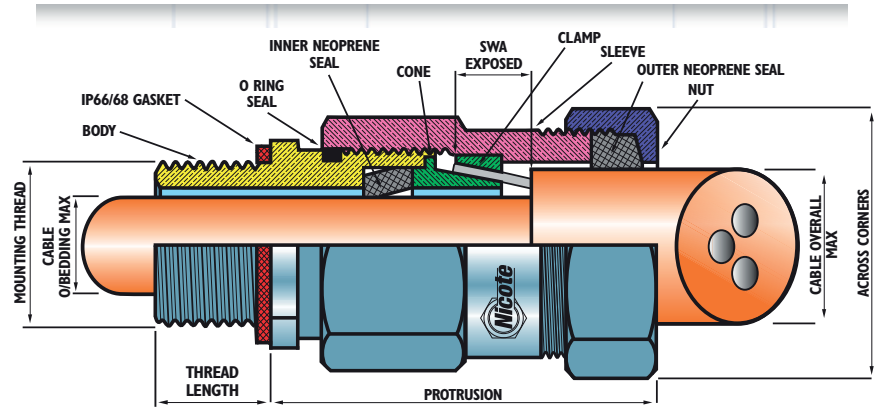
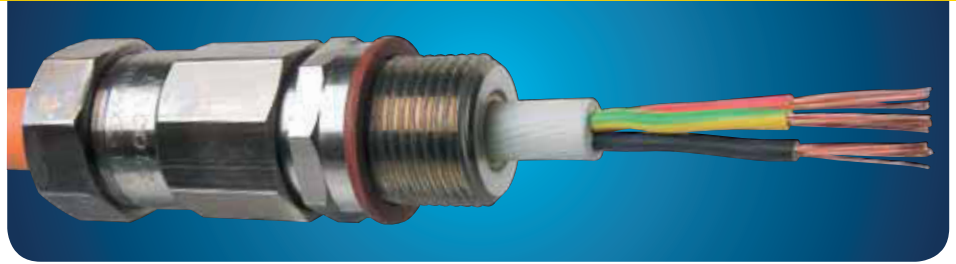
Provides O/Bledding Flameproof Seal, Armour Clamp and Seal on Outer Sheath

Protection Class

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

Construction

Sealsafe Plated Brass Components



Part Number	Mounting Thread		Cable Acceptance Details					Cable Gland		SWA Exposed (mm)	Inner Carton Pack Qty.
	Size (mm)	Length (mm)	Overbedding		Overall Diameter		SWA Dia. (mm)	Across Corners (mm)	Protrusion (mm)		
			Min. (mm)	Max. (mm)	Min. (mm)	Max. (mm)					
FLWT202	M20 x 1.5	15.80	6.00	8.00	10.00	12.00	0.50 - 0.90	25	54	12	30
FLWT203	M20 x 1.5	15.80	8.30	9.75	11.60	15.50	0.90 - 1.25	27	54	12	30
FLWT204	M20 x 1.5	15.80	9.35	11.00	15.10	17.00	0.90 - 1.25	27	54	12	30
FLWT205	M20 x 1.5	15.80	10.60	12.50	16.60	20.00	0.90 - 1.25	33	54	12	20
FLWT206	M20 x 1.5	15.80	12.00	13.75	16.60	20.00	0.90 - 1.25	33	54	12	20
FLWT253	M25 x 1.5	19.00	13.35	15.00	19.60	22.50	0.90 - 1.25	36	56	12	14
FLWT254	M25 x 1.5	19.00	14.60	16.25	19.60	22.50	0.90 - 1.25	36	56	12	14
FLWT255	M25 x 1.5	19.00	15.85	17.50	22.10	26.00	1.25 - 1.60	41	56	12	12
FLWT256	M25 x 1.5	19.00	17.10	18.75	22.10	26.00	1.25 - 1.60	41	56	12	12
FLWT323	M32 x 1.5	25.40	18.35	20.75	25.60	30.00	1.25 - 1.60	50	64	13	8
FLWT324	M32 x 1.5	25.40	20.35	22.75	25.60	30.00	1.25 - 1.60	50	64	13	8
FLWT325	M32 x 1.5	25.40	22.35	24.75	29.60	34.00	1.60 - 2.00	50	64	13	8
FLWT326	M32 x 1.5	25.40	24.35	26.50	29.60	34.00	1.60 - 2.00	50	64	13	8
FLWT403	M40 x 1.5	25.40	26.10	28.50	33.60	37.00	1.60 - 2.00	61	72	15	1
FLWT404	M40 x 1.5	25.40	28.10	30.75	36.60	39.50	1.60 - 2.00	61	72	15	1
FLWT405	M40 x 1.5	25.40	30.35	32.75	39.10	41.50	1.60 - 2.00	61	72	15	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.
- Screw the gland body into the apparatus.
- Leave the inner seal in the gland body.
- Pass the gland nut, outer seal and gland sleeve over the cable before commencing to strip the outer sheath of the cable.
- Measure the length of tails required and add about 75 mm to the outer sheath and armour to this point.
- Strip the outer sheath.
- Cut the armour wire to SWA exposed length.
- Pass the armour clamp over the armour.
- Pass the armour cone over the bedding and under the armour wires.
- Pass the bedding through the inner seal in the gland body. N.B. Unless this seal provides a push fit on the bedding the next size gland will be required. (The minimum dimension over the bedding is embossed on the sleeve of the gland for reference.) On glands over FLWT405 one or two seals are supplied with each gland, select the most suitable seal.
- Engage sleeve thread onto body thread and tighten securely.
- Slide outer seal and gland nut into position and engage nut thread onto sleeve thread.
- Tighten gland nut securely.



FLPWB Cable Gland

BARRIER CABLE GLAND FOR STEEL WIRE 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

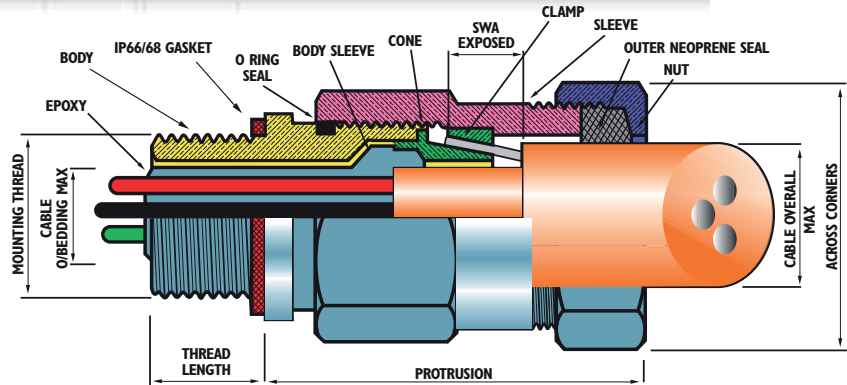
Provides Barrier Epoxy Seal to Cable Cores, Armour Clamp, and Seal on Outer Sheath

Protection Class

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

Construction

Sealsafe Plated Brass Components



Part Number	Mounting Thread		Cable Acceptance Details				Cable Gland		SWA Exposed (mm)
	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	11.60	15.50	0.90 - 1.25	27	54	11.5
FLPW206B	M20 x 1.5	15.80	13.75	15.10	20.00	0.90 - 1.25	33	54	11.5
FLPW256B	M25 x 1.5	19.00	18.75	19.60	26.00	1.25 - 1.60	41	56	11.5
FLPW326B	M32 x 1.5	25.40	26.50	25.60	34.00	1.60 - 2.00	50	64	13.5
FLPW405B	M40 x 1.5	25.40	32.75	33.60	41.50	1.60 - 2.00	61	72	15.5
FLPW503B	M50 x 1.5	28.60	38.50	41.10	49.00	2.00 - 2.50	76	88	17
FLPW505B	M50 x 1.5	28.60	44.45	48.60	55.50	2.00 - 2.50	87	88	17
FLPW635B	M63 x 1.5	28.60	52.40	55.10	63.50	2.50 - 3.15	102	96	19
FLPW636B	M63 x 1.5	28.60	56.25	63.10	68.25	2.50 - 3.15	102	96	19
FLPW754B	2.5" BSP	28.60	63.50	67.85	76.20	2.50 - 3.15	116	100	23
FLPW755B	2.5" BSP	28.60	66.70	75.80	79.40	2.50 - 3.15	116	100	23

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.

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

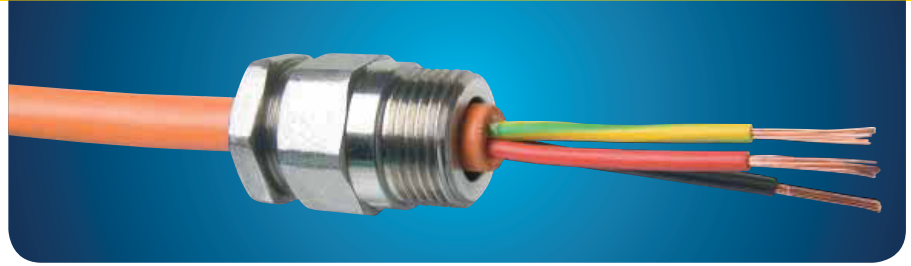
25 grams wt 12 hours @ 25deg. C
25 grams wt 24 hours @ 15deg. C

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



Triflex Stainless Steel Cable Glands are high quality glands designed for use in severe environments. Made from 304 grade stainless steel, each gland features a wide cable diameter range and UP65 protection.



Applications

Indoor and outdoor use in harsh environments

Standards

AS 1939 - 1990

Function

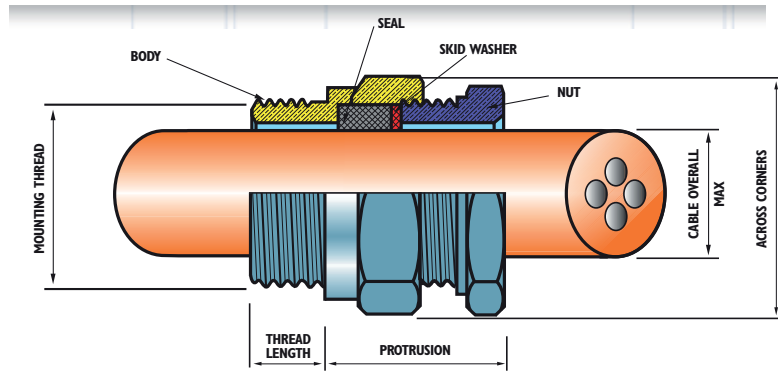
Provides seal on cable sheath

Protection Class

IP65

Construction

Body and compression nut
304 Stainless Steel



Part Number	Mounting Thread		Cable Acceptance Details		Across Corners (mm)
	Size (mm)	Length (mm)	Overall Diameter		
			Min (mm)	Max (mm)	
CG01S	M16x1.5	10	3.5	8.4	22
CG02S	M20x1.5	10	6.4	11.5	22
CG03S	M20x1.5	12	11	16.3	27.5
CG04S	M25x1.5	12	15	21	32
CG05S	M32x1.5	12	19	27.7	40

Product specifications may change at any time without notice.

The Sealsafe range of cable glands consists of general purpose TG Nylon range through to 304 Stainless steel models designed to deliver superior performance in harsh environments.

TG Cable Gland

GENERAL PURPOSE NYLON CABLE GLANDS

Triflex Nylon Cable Glands are quick & easy to install with a high quality gripping claw/seal arrangement that caters for a wide range of cable sizes per fitting. Each gland has no loose parts and requires no disassembly for cable installation.

Applications

Indoor and outdoor use

Standards

AS60529 - 2004

Function

Provides seal on cable sheath

Protection Class

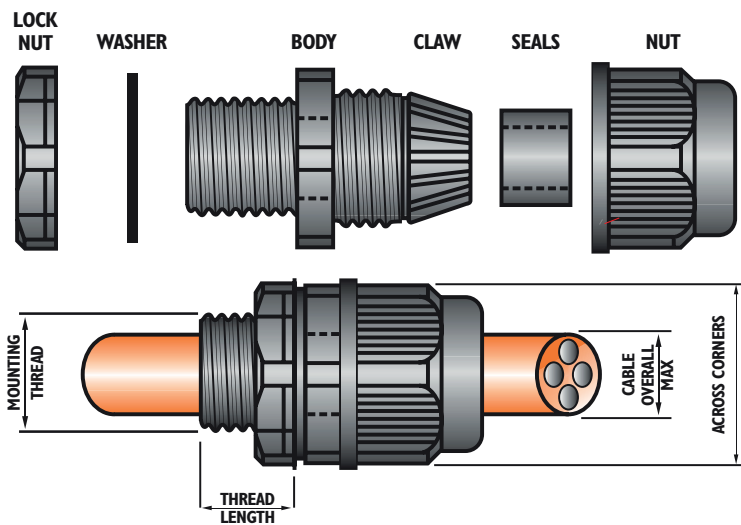
IP68, Resistant to salt water, weak alcohol, oil, grease and common solvents

Construction

Body - UL approved Nylon 66 (Black)
Seal - EPDM Rubber

Thread Type

Metric with locknut and IP68 washer



Part Number	Mounting Thread		Cable Acceptance Details		Across Corners (mm)
	Size (mm)	Length (mm)	Overall Diameter		
			Min. (mm)	Max. (mm)	
TG-12	M12 x 1.5	15	4	7	15
TG-16	M16 x 1.5	15	6	10	22
TG-20	M20 x 1.5	15	8.5	14	27
TG-20-2.5TPS	M20 x 1.5	15	2.5mm TPS	N/A	27
TG-25	M25 x 1.5	15	12.5	18	33
TG-32	M32 x 1.5	15	18	25	41
TG-40	M40 x 1.5	15	24	32	50
TG-50	M50 x 1.5	20	30	41	62
TG-63	M63 x 1.5	20	40	51	75

Product specifications may change at any time without notice.



www.triflex.com.au

TriFlex

Manufacturing

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