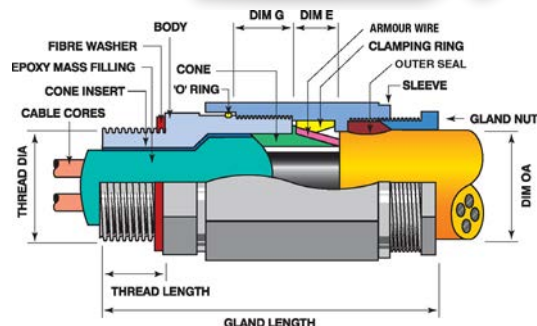




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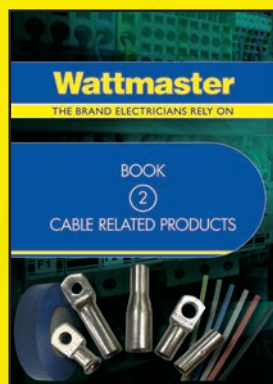
CABLE GLANDS - INDUSTRIAL CONDUIT - JUNCTION BOXES
BOOK ①



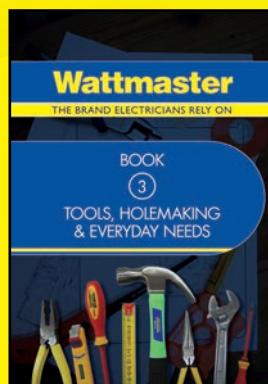
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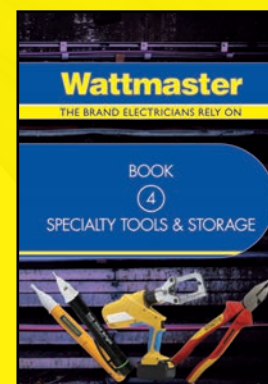
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ALCO PRODUCT CATALOGUE

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1.1 CABLE GLAND SELECTION

HOW TO SELECT THE CORRECT CABLE GLAND

INGRESS PROTECTION (WEATHERPROOFING)

When selecting cable glands, the following things need to be considered:

DEGREE OF PROTECTION REQUIRED

Alco cable glands comply with the requirements of IEC 60529/AS 1939. The IP rating (or Ingress Protection) is used to indicate the degree of environmental protection for electrical equipment and enclosures. The numbers that make up the rating are explained below.

The first digit refers to the protection against the ingress of solid foreign objects and access to hazard parts

RATING	PROTECTION AGAINST FOREIGN OBJECTS	ACCESS TO HAZARD PARTS
0	Not protected	Not protected
1	Protected against objects of $\geq 50\text{mm}$ diameter	Protected against access with back of the hand
2	Protected against objects of $\geq 12.5\text{mm}$ diameter	Protected against access with fingers or similar objects
3	Protected against objects of $\geq 12.5\text{mm}$ diameter	Protected against access with tools, thick wires etc
4	Protected against objects of $\geq 1.0\text{mm}$ diameter	Protected against access with wires, screws etc
5	Dust protected	Protected against access with wires, may have small amounts of ingress of dust
6	Dust-tight	Protected against access with wires, no ingress of dust

The second digit refers to the protection against harmful ingress of liquids/water

RATING	PROTECTION AGAINST LIQUIDS
0	Not protected
1	Protected against drops of water falling vertically
2	Protected against drops of water falling up to $\geq 15^\circ$ vertically
3	Protected against spraying water at up to 60° vertically
4	Protected against splashing water from all directions
5	Protected against jet of water from all directions
6	Protected against jet of water similar to the force of heavy seas
7	Protected against the effects of immersion (up to 1 metre)
8	Protected against prolonged effects of immersion under pressure to the specified depth (over 1 metre)
9 (9k)	Protected against high temperature, high pressure water jets

Therefore, IP68 would be a gland that is dust-tight and protected against the prolonged effects of immersion; and IP66 would refer to a product that is dust-tight and protected against the ingress sufficient to cause harm.



1.1 CABLE GLAND SELECTION

HOW TO SELECT THE CORRECT CABLE GLAND

APPROVALS FOR GLANDS

GLAND TYPE			FUNCTION	CERTIFICATION			IP RATING		CLASS OF HAZARD (CLASS I)				PROTECTION METHOD							IMPACT RATING
				IEC EX	ANZ EX	VDE	IP 66 & 68 RATING	PRESSURE (DEPTH m)	METHANE GROUP I	HYDROGEN GROUP IIC	ETHYLENE GROUP IIB	PROPANE GROUP IIA	EX T	EX D	EX D BARRIER	EX E	EX IA	EX IB	EX P	CATEGORY/JOULES
UNARMoured CABLE	ALCMG	Nylon (PA 6)	Seals on cable sheath	–	–	Yes	Yes	50	–	–	–	–	–	–	–	–	–	–	C2-C4	
	ALCMG-FF	Nylon (PA 6)	Seals on cable sheath	–	–	Yes	Yes	50	–	–	–	–	–	–	–	–	–	–	C2-C4	
	ALCUW	Brass (Ni plated)	Seals on cable sheath	–	–	–	Yes	30	–	–	–	–	–	–	–	–	–	–	N/A	
	ALCUA2	Brass (Ni plated)	Seals on cable sheath	–	–	–	Yes	30	–	–	–	–	–	–	–	–	–	–	C8 / 20J	
	ALCBRG	Brass (Ni plated)	Seals on cable sheath	–	–	Yes	Yes	50	–	–	–	–	–	–	–	–	–	–	N/A	
	ALCBIMBUP	Nylon (PA 6)	Hazardous, seals on cable sheath	Yes	–	Yes	Yes	50	–	Yes	Yes	Yes	Yes	–	–	Yes	Yes*	Yes*	–	C6 / 7J
	ALCHUW	Brass (Ni plated)	Hazardous, seals on cable sheath	Yes	Yes	–	Yes	30	Yes	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes*	Yes*	Yes	C8 / 20J
	ALCHUW_H	Brass (Ni plated)	Hazardous, seals on cable sheath, protective hose	Yes	Yes	–	Yes	30	Yes	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes*	Yes*	Yes	C8 / 20J
	ALCHUW_LTA	Brass (Ni plated)	Hazardous, seals on cable sheath, protective conduit	Yes	Yes	–	Yes	30	Yes	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes*	Yes*	Yes	C8 / 20J
	ALCBU	Brass (Ni plated), SS	Hazardous, seals on cable sheath	Yes	–	Yes	Yes	50	–	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes*	Yes*	–	C6 / 7J
	ALCBU_2	Brass (Ni plated), SS	Hazardous, seals on cable sheath	Yes	–	Yes	Yes	50	–	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes*	Yes*	–	C6 / 7J
	ALCBC	Brass (Ni plated), SS	Hazardous, seals on cable sheath, protective conduit	Yes	–	Yes	Yes	50	–	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes*	Yes*	–	C6 / 7J
	ALCBC_45°	Brass (Ni plated), SS	Hazardous, seals on cable sheath, protective conduit 45°	Yes	–	Yes	Yes	50	–	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes*	Yes*	–	C6 / 7J
	ALCBC_90°	Brass (Ni plated), SS	Hazardous, seals on cable sheath, protective conduit 90°	Yes	–	Yes	Yes	50	–	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes*	Yes*	–	C6 / 7J
EMC	ALCEMC	Brass (Ni plated)	provides screen/enclosure continuity, seals on cable sheath	–	–	–	Yes	30	–	–	–	–	–	–	–	–	–	–	N/A	
	EMC	Brass (Ni plated)	provides screen/enclosure continuity, seals on cable sheath	–	–	Yes	Yes	50	–	–	–	–	–	–	–	–	–	–	N/A	
	ALCBEB	Brass (Ni plated), SS	Hazardous, provides screen/enclosure continuity, seals on cable sheath	Yes	–	Yes	Yes	50	–	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes*	Yes*	–	C6 / 7J
SWA CABLE	ALCAW	Brass (Ni plated)	Clamps SWA, seals on cable sheath	–	–	–	Yes	30	–	–	–	–	–	–	–	–	–	–	C7 / 10J**	
	ALCHAW	Brass (Ni plated)	Hazardous, clamps SWA, seals on cable sheath	Yes	Yes	–	Yes	30	Yes	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes*	Yes*	Yes	C8 / 20J
	ALCHAW_B	Brass (Ni plated)	Hazardous, clamps SWA, provides gas proof seal on cores, seals on cable sheath	Yes	Yes	–	Yes	30	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes	C8 / 20J
	ALCBA	Brass (Ni plated), SS	Hazardous, clamps SWA, seals on cable sheath	Yes	–	Yes	Yes	50	–	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes*	Yes*	–	C6 / 7J
	ALCBA_2	Brass (Ni plated), SS	Hazardous, clamps SWA, seals on cable sheath	Yes	–	Yes	Yes	50	–	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes*	Yes*	–	C6 / 7J
	ALCBMB	Brass (Ni plated), SS	Hazardous, seals on cable sheath, threaded to accept accessory	Yes	–	Yes	Yes	50	–	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes*	Yes*	Yes	C6 / 7J

* part painted light blue * UW 105 and 120 10m

** AW12 to 50L, AW63 to AW120 N/A

Stainless Steel available upon request, lead times and MOQ apply

KEY  Weatherproof indoor and outdoor glands  Hazardous weatherproof indoor and outdoor glands

1.1 CABLE GLAND SELECTION

HOW TO SELECT THE CORRECT CABLE GLAND

HAZARDOUS AREA PROTECTION TYPES

EX D- FLAMEPROOF ENCLOSURE (IEC 60079.1 OR AS/NZS 60079.1)

This type of protection refers to the enclosure of electrical apparatus designed for explosive gas atmospheres to prevent ignition of a surrounding gas during normal operation. That is, the apparatus will withstand an internal explosion and prevent an external one. This protection applies to Zone 1 (where explosive atmosphere occurs during normal operation).

EX E- INCREASED SAFETY (IEC 60079.7 OR AS/NZS 60079.7)

This type of protection refers to the enclosure of electrical apparatus designed to prevent excessive heat or any sparks occurring during normal operation. Increased measures are taken to avoid this from happening. This protection applies to Zone 1.

EX IA- INTRINSIC SAFETY (IEC 60079.11 OR AS/NZS 60079.11)

This type of protection refers to the enclosure of electrical apparatus designed to prevent excess voltage and current from creating sparks with enough energy to ignite gases. This protection applies to Zone 0 (where explosive atmosphere is constantly present).

EX IB- INTRINSIC SAFETY (IEC 60079.11 OR AS/NZS 60079.11)

This type of protection is the same as Ex IA, however it applies to Zone 1.

EX P- PRESSURISED ENCLOSURE (IEC 60079.2 OR AS/NZS 60079.2)

This type of protection refers to the enclosure of electrical apparatus designed to prevent ingress of external gases into the enclosure by maintaining a positive pressure above that of the external one. That is, it passes protective gas through the enclosure. This protection applies to Zone 1.

EX T- DUST PROTECTED ENCLOSURE (IEC 60079.31 OR AS/NZS 60079.31)

This type of protection refers to the enclosure of electrical apparatus designed to protect ingress of external dusts into the enclosure by providing a dust tight seal to the enclosure. This protection applies to Zone 1.



1.1 CABLE GLAND SELECTION

HOW TO SELECT THE CORRECT CABLE GLAND

REQUIREMENT FOR BARRIER GLAND INSTALLATIONS

WHETHER A STANDARD GLAND OR BARRIER GLAND IS REQUIRED

Barrier glands are typically used in applications where standard Hazardous Area glands featuring elastomeric seals are insufficient. Barrier glands are similar to standard cable glands, except a compound sealant (insulputty) is required that is used to seal around the individual cores. This is done to ensure the inside and outside of the cable remain liquid tight.

Furthermore, the following questions need to be answered to establish whether a barrier gland is required:

1. Is the cable round, compact and effectively filled?

Yes-> move to next question

No-> barrier gland is required

2. Is the cable used on circuit spanning between zones?

Yes-> barrier gland should be used

No-> move to next question

3. Does the enclosure have an internal source of ignition?

Yes-> move to next question

No-> standard hazardous gland may be used

4. Does the hazardous gas require IIC apparatus?

Yes-> barrier gland should be used

No-> move to next question

5. Is the installation area Zone 1?

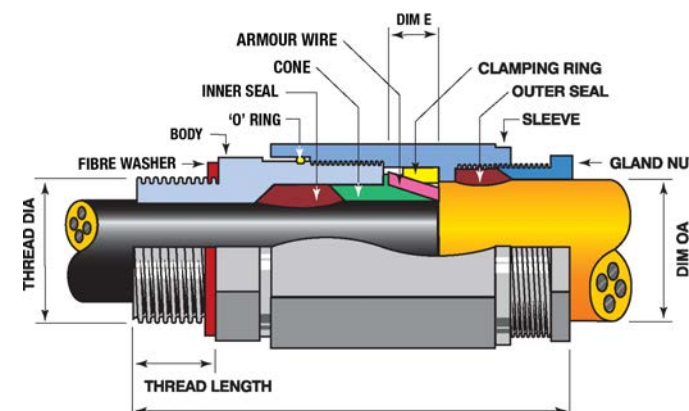
Yes-> move to next question

No-> standard hazardous gland may be used

6. Is the volume of the enclosure greater than 2 litres?

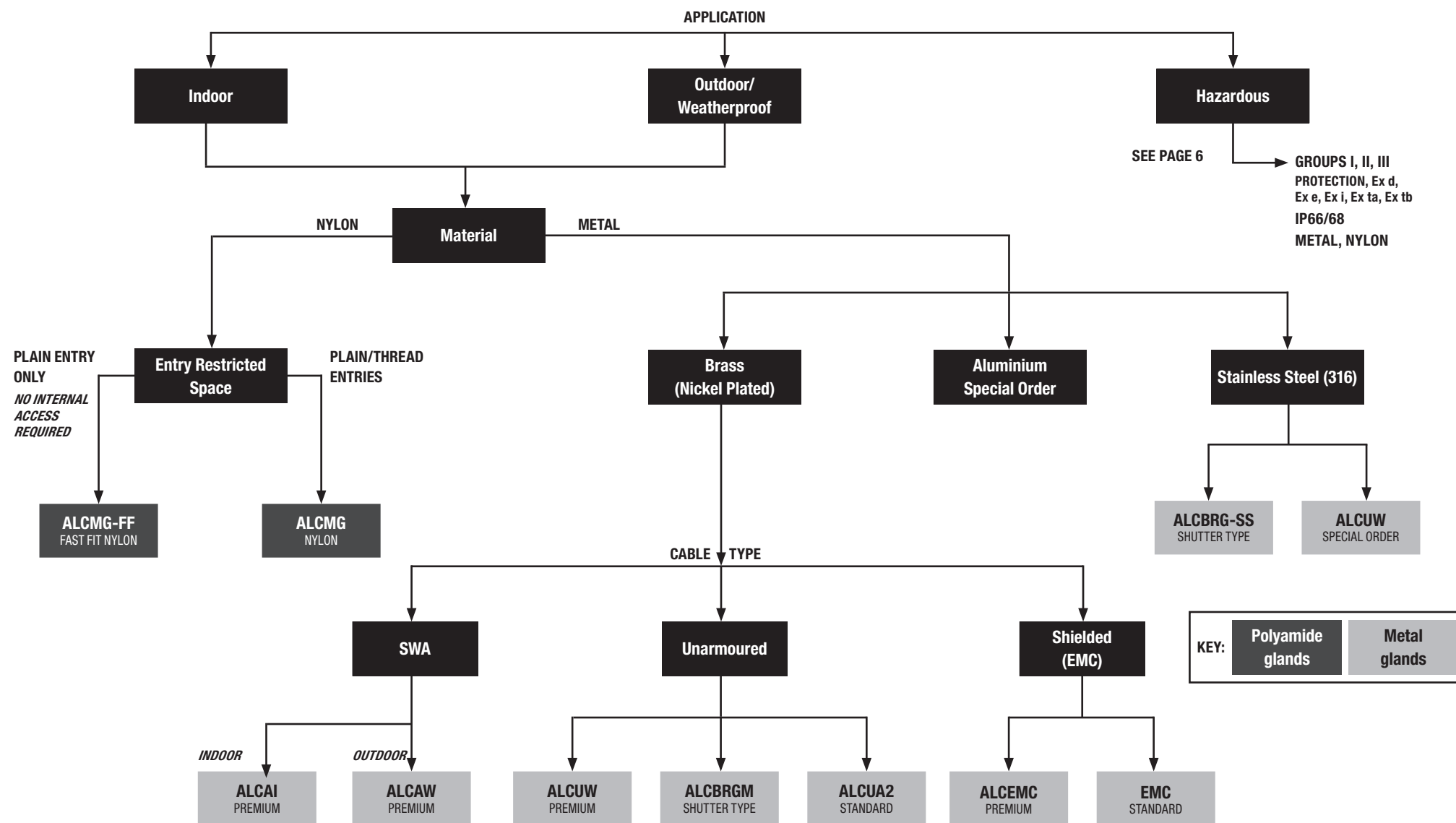
Yes-> barrier gland should be used

No-> standard hazardous gland may be used



1.1 CABLE GLAND SELECTION

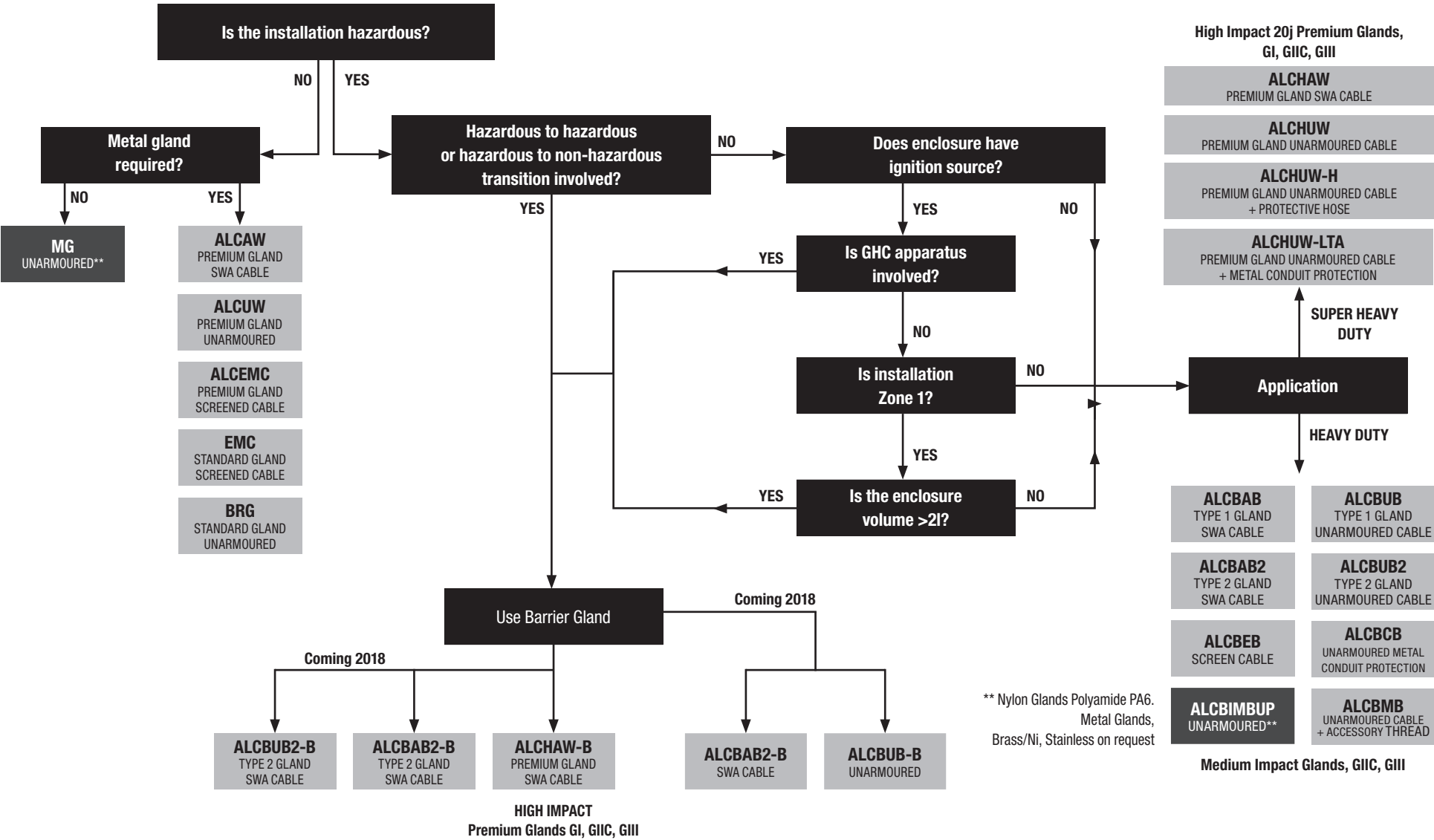
HOW TO SELECT THE CORRECT CABLE GLAND - NON-HAZARDOUS



KEY: Polyamide glands Metal glands

1.1 CABLE GLAND SELECTION

HOW TO SELECT THE CORRECT CABLE GLAND - HAZARDOUS



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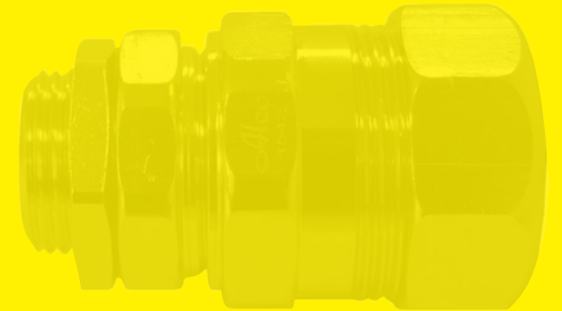
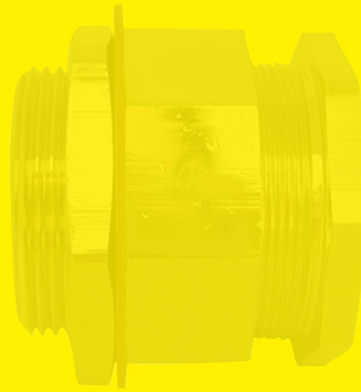
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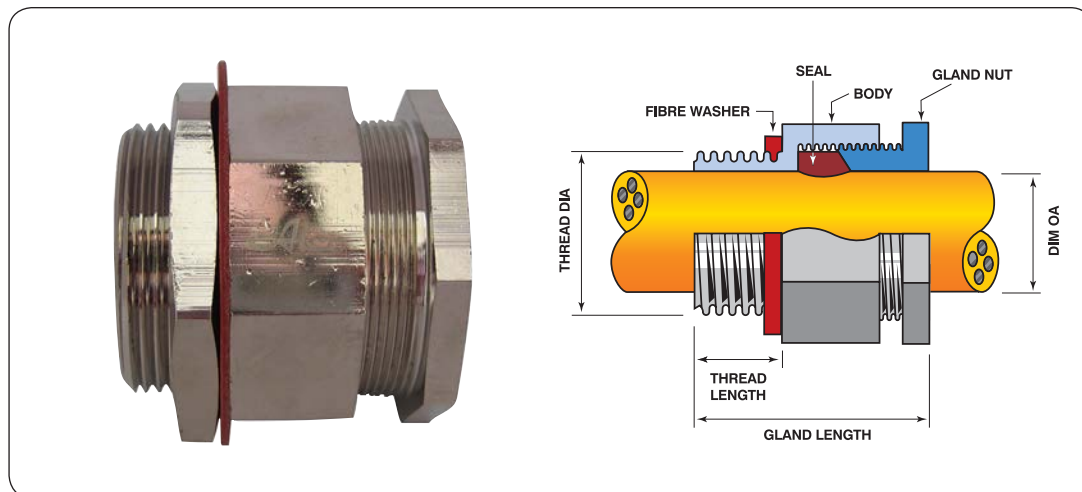
SECTION 2

INDOOR AND WEATHERPROOF CABLE GLANDS



2.1 PREMIUM WEATHERPROOF METAL CABLE GLANDS - UNARMoured CABLE

2.1 PREMIUM WEATHERPROOF CABLE GLANDS - UNARMoured CABLE - UW SERIES - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath
Approvals	Degree of protection against ingress of water IP66/68 Compliance with AS 1939-1990
Range	ALCUW12-ALCUW82 (30m) ALCUW105-ALCUW120B (10m)
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	TPE
Temperature Range	-20°C to +80°C

Refer to Section 7.1, 7.3 and 7.6 for cable details

SPECIFICATIONS:

PART NUMBER	SEALING RANGE (MM)				THREAD DIAMETER x LENGTH	PITCH	GLAND DIAMETER		GLAND LENGTH		TORQUE (NM)	ORANGE SHROUD*		BOX QTY
	SEAL B (THICK)		SEAL A (THIN)				ACROSS FLATS	ACROSS POINTS	UNCOMPRESSED	COMPRESSED		PVC	SILICON	
	OA MIN	OA MAX	OA MIN	OA MAX										
ALCUW12	1.5	3.5	3.5	6.0	M12 x 10	1.5	17.5	18.9	32.0	25	5	—	ALCSG0S	30
ALCUW16S	1.5	3.5	3.5	6.0	M16 x 10	1.5	20.0	21.6	32.0	25	9	—	ALCSG0S	30
ALCUW16	5.0	7.5	7.5	10.0	M16 x 10	1.5	18.0	19.4	32.0	25	9	—	ALCSG0S	30
ALCUW20A	5.0	7.5	7.5	10.0	M20 x 10	1.5	23.0	24.7	32.0	25	13	ALCSG1	ALCSG1S	20
ALCUW20	10.0	11.0	11.0	15.0	M20 x 10	1.5	22.5	24.2	32.0	25	13	ALCSG1	ALCSG1S	20
ALCUW25	14.5	17.0	17.0	20.0	M25 x 12	1.5	30.0	32.3	37.5	29	21	ALCSG2L	ALCSG2LS	15
ALCUW32	20.0	23.0	23.0	26.5	M32 x 12	1.5	36.0	38.7	39.5	30	34	ALCSG3	ALCSG3S	10
ALCUW40	26.0	30.0	30.0	33.5	M40 x 15	1.5	45.0	48.4	44.5	35	53	ALCSG4	ALCSG4S	8
ALCUW50	33.0	36.0	36.0	42.0	M50 x 15	1.5	55.0	59.1	49.5	35	83	ALCSG5	ALCSG5S	5
ALCUW63	41.5	46.0	46.0	52.0	M63 x 19	1.5	67.5	72.5	56.5	45	132	ALCSG6	ALCSG6S	2
ALCUW75	51.0	56.0	56.0	65.0	M75 x 19	1.5	90.0	97.4	66.0	50	188	—	ALCSG7S	2
ALCUW82	—	—	65.0	76.0	M82 x 19	1.5	100.0	106.6	70.0	58	225	—	ALCSG8S	1
ALCUW105	75.0	80.0	82.0	89.0	M105 x 30	2.0	120.0	129.0	148.0	110	288	—	—	1
ALCUW120A	89.0	92.0	92.0	98.0	M120 x 30	2.0	140.0	150.0	148.0	110	288	—	—	1
ALCUW120B	—	—	96.0	105.0	M120 x 30	2.0	140.0	150.0	148.0	110	288	—	—	1

* For Black Shroud add 'B' to part number; e.g. ALCSG3SB. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). Available in stainless steel upon request, lead times apply.
See website for fitting instructions. # All dimensions in mm unless otherwise specified.

2.2 WEATHERPROOF CABLE GLANDS - UNARMoured CABLE

2.2.1 WEATHERPROOF METAL CABLE GLANDS - UNARMoured CABLE - UA2 SERIES - ALCO



Applications	For indoor or outdoor use
Function	Clamps and seals on outer cable surface
Protection Types	Anchorage CAT B Impact CAT 8 IP66/68 30m
Standards	IEC62444
Range	ALCUA16Z-ALCUA50
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	TPE
Temperature Range	-20°C to +125°C

Refer to Section 7.1, 7.3 and 7.6 for cable details

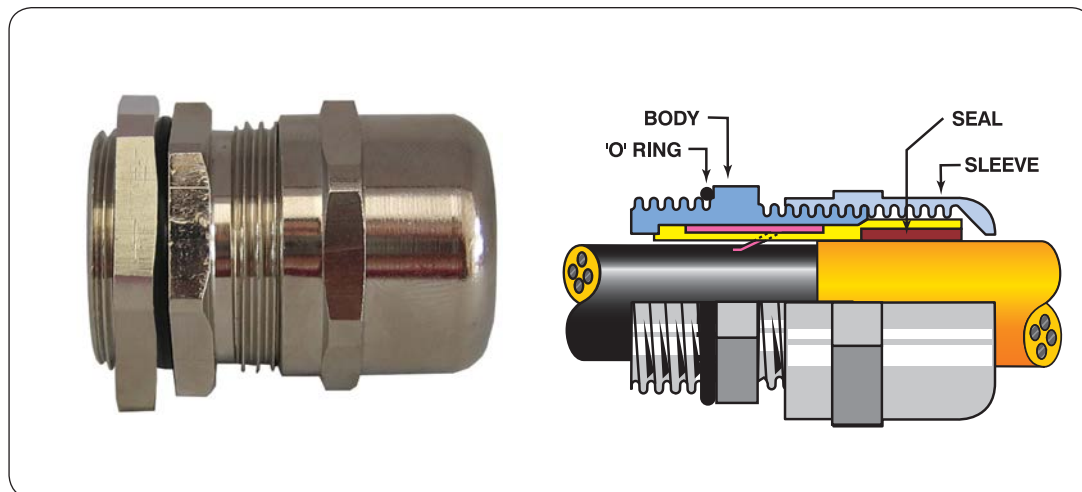
SPECIFICATIONS:

PART NUMBER	THREAD DIAMETER x LENGTH	PITCH	GLAND DIAMETER		GLAND LENGTH MAX	PROJECTED LENGTH MAX	CABLE DETAILS		ORANGE SHROUD*		BOX QTY
			ACROSS FLATS	ACROSS POINTS			OA MIN	OA MAX	PVC	SILICON	
ALCUA16Z	M16 x 10	1.5	22	24	29.0	19.0	0.5	7.0	-	ALCSG0S	20
ALCUA20Z	M20 x 10	1.5	24	26.5	29.0	19.0	0.5	7.0	-	ALCSG0S	20
ALCUA16	M16 x 10	1.5	24	26.5	31.0	21.0	5.0	12.0	ALCSG1	ALCSG1S	20
ALCUA20A	M20 x 10	1.5	24	26.5	31.0	21.0	5.0	12.0	ALCSG1	ALCSG1S	20
ALCUA20	M20 x 10	1.5	27	30	32.0	22.0	10.5	15.5	ALCSG2	ALCSG2S	20
ALCUA25	M25 x 10	1.5	35	35	31.0	21.0	14.5	20.5	ALCSG2L	ALCSG2LS	15
ALCUA32	M32 x 12	1.5	41	45	36.0	24.0	19.0	27.0	ALCSG3	ALCSG3S	10
ALCUA40	M40 x 12	1.5	50	56	38.0	26.0	26.0	35.0	ALCSG4	ALCSG4S	8
ALCUA50	M40 x 12	1.5	65	74	50.0	35.0	33.0	45.0	ALCSG6	ALCSG6S	5

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies).
See website for fitting instructions. # All dimensions in mm unless otherwise specified.

2.2 WEATHERPROOF CABLE GLANDS - UNARMoured CABLE

2.2.2 SHUTTER TYPE BRASS CABLE GLANDS - UNARMoured CABLE - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath
Approvals	IP68 (50m)
Range	ALCBRGM6-ALCBRGM63
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	Neoprene
O Ring	NBR
Temperature Range	-40°C to +100°C

Refer to Section 7.1, 7.3 and 7.6 for cable details

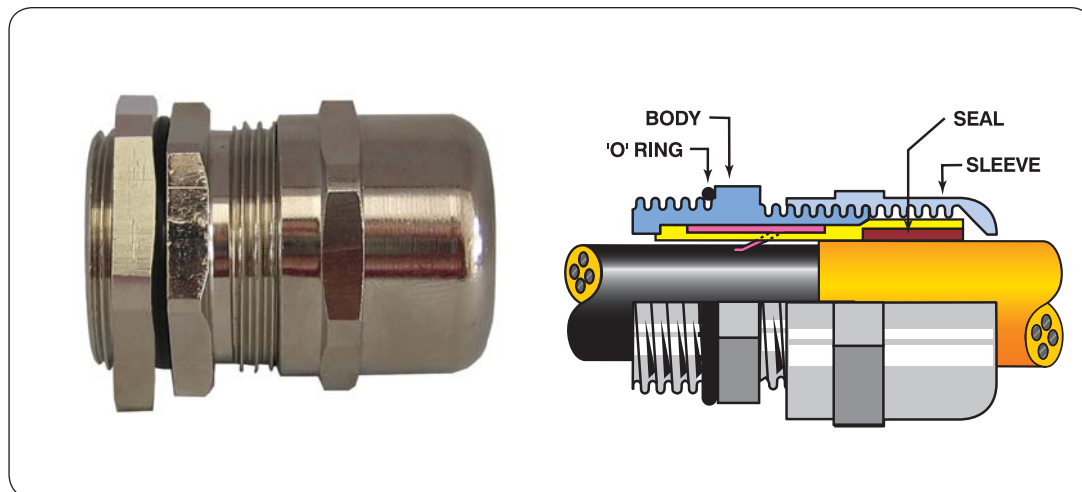
SPECIFICATIONS:

PART NUMBER	CABLE SEALING RANGE (MM)		THREAD DIAMETER x LENGTH	DIAMETER ACROSS FLATS	ORANGE SHROUD*		BOX QTY
	MIN	MAX			PVC	SILICON	
ALCBRGM6	2.3	3.7	M6 x 5	10	—	—	10
ALCBRGM8	3.5	5.0	M8 x 5	11	—	—	10
ALCBRGM10	4.8	6.3	M10 x 6	13	—	—	10
ALCBRGM12	3.0	6.5	M12 x 12	14	—	—	15
ALCBRGM16	4.0	8.0	M16 x 12	18	—	ALCSG0S	15
ALCBRGM16L	5.0	10.0	M16 x 12	20	—	ALCSG0S	15
ALCBRGM20	6.0	12.0	M20 x 12	22	ALCSG1	ALCSG1S	10
ALCBRGM20L	10.0	14.0	M20 x 12	24	ALCSG1	ALCSG1S	10
ALCBRGM25	10.0	14.0	M25 x 12	27	ALCSG2	ALCSG2S	10
ALCBRGM25L	13.0	18.0	M25 x 12	30	ALCSG2L	ALCSG2LS	10
ALCBRGM32	13.0	18.0	M32 x 15	32	ALCSG2L	ALCSG2LS	5
ALCBRGM32L	18.0	25.0	M32 x 15	40	—	ALCSG3L	5
ALCBRGM40	18.0	25.0	M40 x 15	43	—	ALCSG3L	4
ALCBRGM40L	22.0	32.0	M40 x 15	50	ALCSG4	ALCSG4S	4
ALCBRGM50	22.0	32.0	M50 x 15	55	ALCSG5	ALCSG5S	2
ALCBRGM50L	27.0	44.0	M50 x 15	68	ALCSG6	ALCSG6S	2
ALCBRGM63	34.0	44.0	M63 x 15	68	ALCSG6	ALCSG6S	1
ALCBRGM63L	37.0	53.0	M63 x 18	75	—	ALCSG6L	1

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: Mounting thread pitch 1.5mm, except for ALCBRGM6/8/12 which are 1.25mm. See product and/or website for fitting instructions. **No suitable shroud available, use HSTNW18/9 size heatshrink instead. NPT and PG fittings available upon request, lead times apply. See website for fitting instructions. # All dimensions in mm unless otherwise specified.

2.2 WEATHERPROOF CABLE GLANDS - UNARMoured CABLE

2.2.3 SHUTTER TYPE STAINLESS STEEL CABLE GLANDS - UNARMoured CABLE - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath
Approvals	IP68 (m)
Range	ALCBRGM16-SS-ALCBRGM63-SS
Material	Stainless Steel (316)
Locknut	Supplied as standard
Seal	Neoprene
O Ring	NBR
Temperature Range	-40°C to +100°C

Refer to Section 7.1, 7.3 and 7.6 for cable details

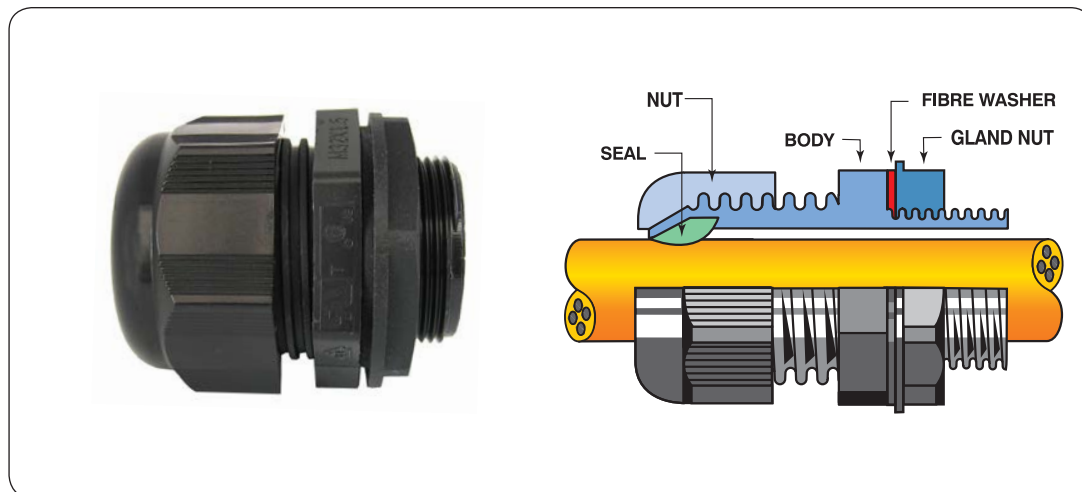
SPECIFICATIONS:

PART NUMBER	CABLE SEALING RANGE (MM)		THREAD DIAMETER x LENGTH	DIAMETER ACROSS FLATS	ORANGE SHROUD*		BOX QTY
	MIN	MAX			PVC	SILICON	
ALCBRGM16-SS	4.0	8.0	M16 x 12	19	-	ALCSG0S	15
ALCBRGM20-SS	6.0	12.0	M20 x 12	22	ALCSG1	ALCSG1S	10
ALCBRGM25-SS	10.0	14.0	M25 x 12	27	ALCSG2	ALCSG2S	10
ALCBRGM32-SS	13.0	18.0	M32 x 15	36	ALCSG3	ALCSG3S	5
ALCBRGM40-SS	18.0	25.0	M40 x 15	46	-	ALCSG3L	4
ALCBRGM50-SS	22.0	32.0	M50 x 15	55	ALCSG5	ALCSG5S	2
ALCBRGM63-SS	34.0	44.0	M63 x 18	70	ALCSG6	ALCSG6S	1

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: Mounting thread pitch 1.5mm, unless otherwise specified. See website for fitting instructions. # All dimensions in mm unless otherwise specified.

2.2 WEATHERPROOF CABLE GLANDS - UNARMoured CABLE

2.2.4 NYLON CABLE GLAND - UNARMoured CABLE - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath
Features	Halogen Free UV protected Seals available to suit 1.5, 2.5 & 4.0mm twin and earth TPS cable (ALCMG20 and ALCMG25 only)
Approvals	IP68 (50m)
Range	ALCMG12-ALCMG63
Material	Polyamide
Seal	Neoprene
Locknut	Supplied as standard
Temperature Range	-30°C to +80°C (up to 150°C intermittent)

Refer to Section 7.1, 7.3 and 7.6 for cable details

SPECIFICATIONS:

PART NUMBER	CABLE SEALING RANGE (MM)		THREAD DIAMETER x LENGTH	DIAMETER ACROSS FLATS	ORANGE SHROUD*		BOX QTY
	MIN	MAX			PVC	SILICON	
ALCMG12	3.0	6.5	M12 x 8	15	—	—	40
ALCMG16	5.0	10.0	M16 x 15	22	ALCSG1	ALCSG1S	25
ALCMG20	10.0	14.0	M20 x 15	27	ALCSG2	ALCSG2S	25
ALCMG25	11.0	17.0	M25 x 15	29	—	ALCSG2LS	15
ALCMG32	18.0	25.0	M32 x 15	42	—	ALCSG3L	5
ALCMG40	22.0	32.0	M40 x 18	53	ALCSG5	ALCSG5S	4
ALCMG50	30.0	38.0	M50 x 18	60	ALCSG5	ALCSG5S	2
ALCMG63	34.0	44.0	M63 x 18	65	ALCSG6	ALCSG6S	2
ALCMG75	48	55	M75 x 25	80	—	ALCSG6L	5

*For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: Mounting thread pitch 1.5mm unless otherwise specified. See product and/or website for fitting instructions. **No suitable shroud available, use HSTNW18/9 size heatshrink instead NPT and PG fittings available upon request, lead times apply.
All dimensions in mm unless otherwise specified.

2.2 WEATHERPROOF CABLE GLANDS - UNARMoured CABLE

2.2.5 FAST FIT NYLON CABLE GLAND - UNARMoured CABLE - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath
Features	Locknut or threaded hole not required Can be fitted with one hand Time Saving (Snaps into place) Push & Twist gland to fit in seconds Perfectly fits wall thickness 0.5mm-4mm Easy removal with Release Tool
Approvals	IP68 (50m)
Range	ALCMG16-FF - ALCMG32-FF
Material	Polyamide
Locknut	Not required
Seal	Neoprene
Continuous Operating Temperature Range	-20°C to +100°C
Intermittent Operating Temperature Range	-30°C to +150°C

SPECIFICATIONS:

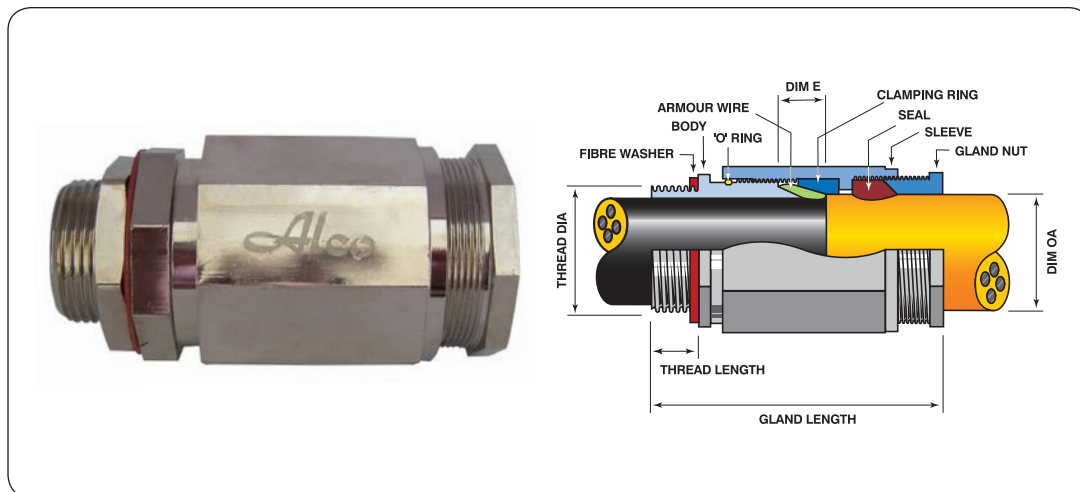
Refer to Section 7.1, 7.3 and 7.6 for cable details

PART NUMBER	OD CABLE RANGE		DIAMETER ACROSS FLATS	ORANGE SHROUD*		BOX QTY
	MIN	MAX		PVC	SILICON	
ALCMG16-FF	5.0	10.0	26.5	ALCSG2	ALCSG2S	10
ALCMG20-FF	6.0	12.0	30.3	ALCSG2	ALCSG2S	10
ALCMG20L-FF	7.0	13.0	30.3	ALCSG2	ALCSG2S	10
ALCMG25-FF	11.0	17.0	36.3	ALCSG2L	ALCSG2LS	10
ALCMG32-FF	15.0	25.0	43.2	ALCSG2L	ALCSG3LS	5
ALCMG20-FF-BP	6.0	32.0	30.3	-	-	10
ALCMG16-FF-RT	-	-	26.5	-	-	10
ALCMG20-FF-RT	-	-	30.3	-	-	10
ALCMG25-FF-RT	-	-	36.3	-	-	10
ALCMG32-FF-RT	-	-	43.2	-	-	10

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. See website for fitting instructions. # All dimensions in mm unless otherwise specified.

2.3 PREMIUM WEATHERPROOF METAL CABLE GLANDS - SWA CABLE

2.3.1 GENERAL PURPOSE WEATHERPROOF GLANDS - ARMoured CABLE - ORIGINAL RANGE - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath
Approvals	Degree of protection against ingress of water IP66/68 Compliance with AS 1939-1990
Range	ALCAW16-ALCAW120
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	TPE
Temperature Range	-20°C to +80°C

Refer to Section 7.2, 7.4 and 7.7 for cable details

SPECIFICATIONS:

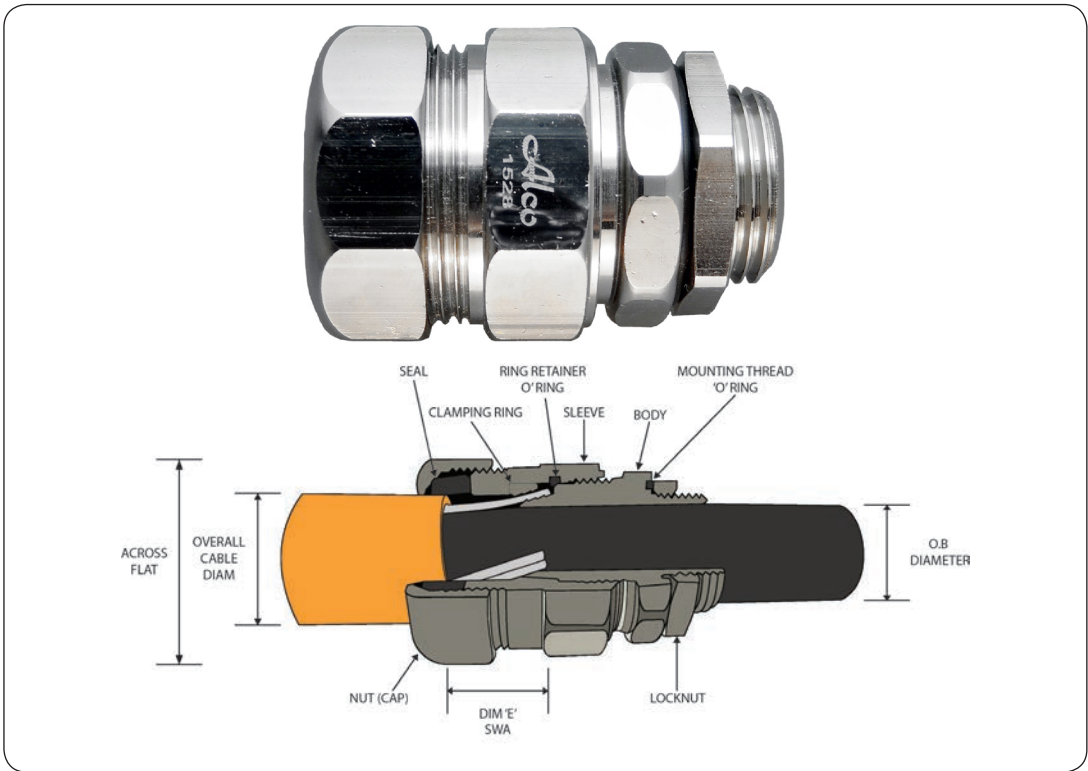
PART NUMBER	SEALING RANGE (MM)					THREAD DIAMETER X LENGTH	GLAND DIAMETER		GLAND LENGTH		EXPOSED LENGTH SWA 'E'	SWA DIAMETER	TORQUE (NM)	ORANGE SHROUD*		BOX QTY
	OVERBEDDING MAX	SEAL B (THICK)		SEAL A (THIN)			ACROSS FLATS	ACROSS POINTS	UNCOMPRESSED	COMPRESSED				PVC	SILICON	
		OA MIN	OA MAX	OA MIN	OA MAX											
ALCAW16	10.0	10.5	13.0	13.0	15.5	M16 x 12	27.5	29.6	65	53	11.5	0.8-1.25	9	ALCSG1	ALCSG1S	20
ALCAW20SB	10.0	10.5	13.0	13.0	15.5	M20 x 12	24.0	26.0	65	53	11.5	0.8-1.25	13	ALCSG1	ALCSG1S	14
ALCAW20-0	14.0	14.5	17.0	17.0	20.0	M20 x 12	32.5	35.0	65	53	11.5	0.8-1.25	13	ALCSG2L	ALCSG2LS	20
ALCAW20UR	16.0	-	-	19.5	22.5	M20 x 12	32.5	35.0	65	53	11.5	0.8-1.25	13	ALCSG2	ALCSG2S	20
ALCAW25	19.0	20.0	23.0	23.0	26.0	M25 x 14	37.5	40.3	77	63	14.0	1.25-1.60	21	ALCSG3	ALCSG3S	15
ALCAW32	26.0	26.0	30.0	30.0	33.5	M32 x 14	47.5	51.0	88	72	17.0	1.25-1.60	32	ALCSG4	ALCSG4S	5
ALCAW40	33.0	33.0	36.0	36.0	42.0	M40 x 15	57.5	61.9	95	78	17.0	1.60-2.0	53	ALCSG5	ALCSG5S	5
ALCAW50	42.0	41.5	46.0	46.0	51.0	M50 x 15	70.0	75.3	105	85	20.0	2.0-2.50	83	ALCSG6	ALCSG6S	2
ALCAW63	55.0	51.0	56.0	56.0	64.0	M63 x 19	85.0	91.0	125	100	20.0	2.50-3.15	132	-	ALCSG7S	1
ALCAW75	63.0	63.0	71.0	71.0	75.0	M75 x 19	100.0	108.0	135	108	26.0	2.50-3.15	188	-	ALCSG8S	1
ALCAW90	75.0	75.0	82.0	82.0	90.0	M90 x 19	110.0	119.0	156	122	31.0	2.50-3.15	290	-	ALCSG9S	1
ALCAW90B	83.0	-	-	88.0	98.0	M90 x 19	115.0	124.0	170	138	30.0	3.15	-	-	-	1
ALCAW105	96.0	-	-	96	114	M105 x 25	144.0	155.0	260	200	48.0	3.15-4.0	-	-	-	1
ALCAW120	110	-	-	112	128	M120 x 30	160.0	173.0	290	215	48.0	3.15-4.0	-	-	-	1

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). Available in stainless steel upon request, lead times apply. See website for fitting instructions. # All dimensions in mm unless otherwise specified.

2.3 PREMIUM WEATHERPROOF METAL CABLE GLANDS - SWA CABLE

2.3.2 GENERAL PURPOSE WEATHERPROOF GLANDS - ARMoured CABLE - CERTIFIED RANGE - ALCO

FITS SINGLE PAIR DEKORON CABLE



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath, clamps SWA
Approvals/Standards	IEC 62444 (BS/EN 50262)
Classifications	Metallic Gland Anchorage type D Impact Cat 7 Equipotential bonding to metallic layers IP66/68 (50m) to IEC 60259 Single Orifice Seal
Range	ALCAW20SS, ALCAW20
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	TPE
Temperature Range	-20°C to +80°C

Refer to Section 7.2, 7.4 and 7.7 for cable details

SPECIFICATIONS:

PART NUMBER	SEALING RANGE (MM)					THREAD DIAMETER X LENGTH	GLAND DIAMETER		GLAND LENGTH		EXPOSED LENGTH SWA 'E'	SWA DIAMETER	TORQUE (NM)	ORANGE SHROUD*		BOX QTY
	OVERBEDDING MAX	SEAL B (THICK)		SEAL A (THIN)			ACROSS FLATS	ACROSS POINTS	UNCOMPRESSED	COMPRESSED				PVC	SILICON	
		OA MIN	OA MAX	OA MIN	OA MAX											
ALCAW20Z	8.0	-	-	7.0	12.0	M20 x 12	25.0	26.6	54	47	9.0	0.5 - 0.9	20	ALCSG1	ALCSG1S	20
ALCAW20	15.0	-	-	14.0	20.0	M20 x 12	25.0	26.9	54	44	9.0	0.8-1.25	13	ALCSG2	ALCSG2S	20

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). Available in stainless steel upon request, lead times apply. See website for fitting instructions. # All dimensions in mm unless otherwise specified.

2.4 PREMIUM INDOOR METAL CABLE GLANDS - SWA CABLE - AI SERIES

2.4 GENERAL PURPOSE INDOOR GLANDS - ARMoured CABLE - ALCO



Applications	For indoor use
Function	Clamps SWA, captive ring stops cable twist, no loose parts
Standards	IEC62444 (BS/EN50202), IEC60259
Protection types/Classification	Anchorage Type D Impact Cat 7 Equipotential bonding
Range	ALCAI20-ALCAI75
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	None
Temperature Range	+150°C

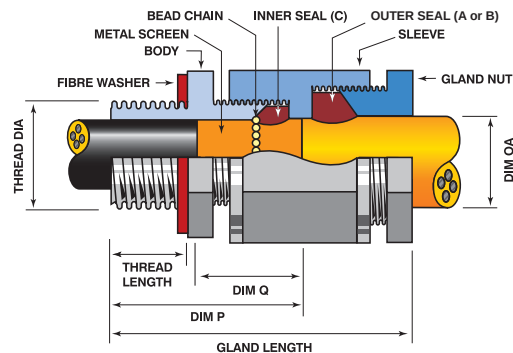
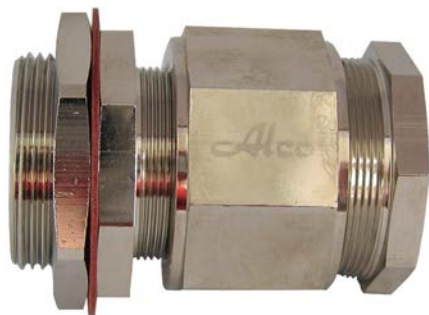
SPECIFICATIONS:

PART NUMBER	THREAD DIAMETER X LENGTH	TORQUE (NM)	GLAND DIAMETER		GLAND LENGTH		CABLE DETAILS				EXPOSED LENGTH SWA 'E' MIN	SWA DIAMETER	ORANGE SHROUD*		BOX QTY
			ACROSS FLATS	ACROSS POINTS	COMPRESSED	MAX	OVER BEDDING MIN	OVER BEDDING MAX	OVERALL MIN	OVERALL MAX			PVC	SILICON	
ALCAI20S	M20 X 10	10	24.0	25.4	34	39	6	11	10	16	10.0	0.7-1.0	ALCSG1	ALCSG1S	20
ALCAI20	M20 X 10	10	30.0	31.8	34	39	9	15.5	14	22	10.0	0.8-1.25	ALCSG2	ALCSG2S	20
ALCAI25	M25 X 10	12	36.0	38.2	42	50	14	20.5	19	27	15.0	1.25-1.6	ALCSG3	ALCSG3S	20
ALCAI32	M32 X 10	12	45.0	47.7	42	50	19	27	24	35	20.0	1.25-1.6	ALCSG4	ALCSG3L	20
ALCAI40	M40 X 10	16	55.0	58.3	51	60	25	34	32	45	25.0	1.6-2.0	ALCSG5	ALCSG5S	10
ALCAI50	M50 X 12	16	70.0	74.2	55	66	33	44	40	58	25.0	2.0-2.5	ALCSG6	ALCSG6S	6
ALCAI63	M63 X 12	25	85.0	90.1	58	73	47	57	56	70	30.0	2.5	-	ALCSG7S	2
ALCAI75	M75 X 15	25	100.0	106	64	81	56	68	66	82	35.0	2.5-3.15	-	ALCSG8S	2
ALCAI82	M82 X 15	25	110.0	116.6	90	108	62	74	72	90	40.0	2.5-3.15	-	ALCSG9S	2

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). Available in stainless steel upon request, lead times apply. See website for fitting instructions. # All dimensions in mm unless otherwise specified.

2.5 PREMIUM WEATHERPROOF METAL CABLE GLANDS - SHIELDED CABLE

2.5 EMC PREMIUM WEATHERPROOF GLANDS - SCREENED VARIABLE SPEED DRIVE (VSD) CABLE - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath and contact between screen and earth (body)
Approvals	Degree of protection against ingress of water IP66/68 (30m)
Standards	AS 1939-1990
Range	ALCEMC12-ALCEMC75C
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	TPE
Temperature Range	-20°C to +80°C

Refer to Section 7.5 and 7.8 for cable details

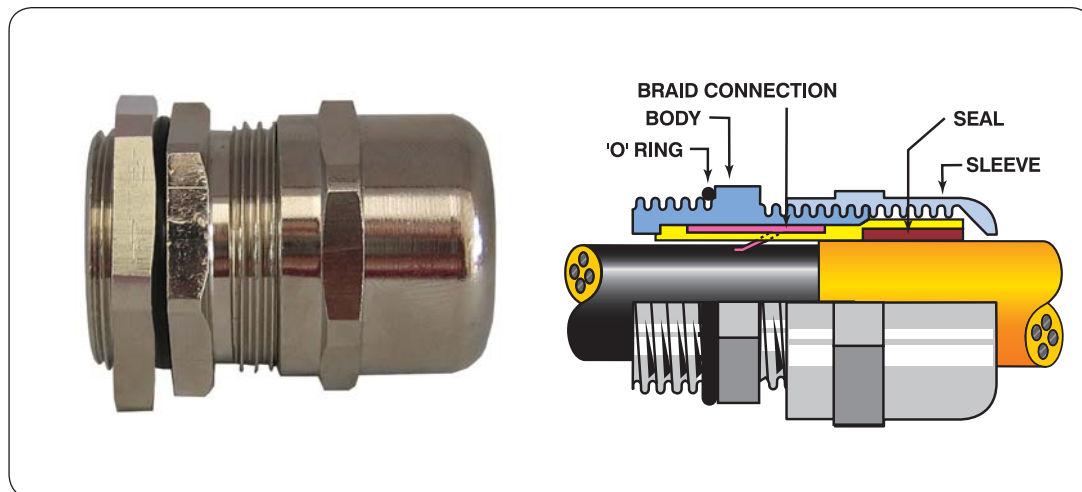
SPECIFICATIONS:

PART NUMBER	SEALING RANGE (MM)						THREAD DIAMETER x LENGTH	GLAND DIAMETER		GLAND LENGTH		DIM 'P'	DIM 'Q'	TORQUE (NM)	ORANGE SHROUD*		BOX QTY
	SEAL B (THICK)		SEAL A (THIN)		OVERSCREEN			ACROSS FLATS	ACROSS POINTS						PVC	SILICON	
	OA MIN	OA MAX	OA MIN	OA MAX	OS MIN	OS MAX											
ALCEMC12	5.8	7.5	7.5	10.0	4.0	7.5	M12 x 12	17.5	18.9	55	40	35	12	5	-	ALCSG0S	20
ALCEMC16	—	—	8.2	13.0	6.5	10.5	M16 x 12	27.5	29.8	58	43	40	14	9	ALCSG2	ALCSG2S	20
ALCEMC20	—	—	13.0	17.0	10.0	14.0	M20 x 12	32.5	35.2	58	43	40	14	13	-	ALCSG2L	20
ALCEMC25	—	—	17.5	22.0	14.0	18.0	M25 x 12	37.5	40.6	61	45	40	14	21	ALCSG3	ALCSG3S	15
ALCEMC32	—	—	22.0	26.0	18.0	22.5	M32 x 12	37.5	40.6	62	46	40	14	34	ALCSG3	ALCSG3S	5
ALCEMC40	26.0	30.0	30.0	33.5	22.5	30.0	M40 x 15	47.5	51.4	72	54	49	16	53	ALCSG4	ALCSG4S	5
ALCEMC50	33.0	36.0	36.0	42.0	30.0	37.0	M50 x 15	57.5	62.6	80	60	55	20	83	ALCSG5	ALCSG5S	3
ALCEMC63	41.0	46.0	46.0	50.0	38.0	46.0	M63 x 19	70.0	75.8	96	75	69	26	132	ALCSG6	ALSG6S	2
ALCEMC75A	—	—	48.0	56.0	45.0	52.0	M75 x 19	85.0	92.0	105	80	69	26	188	-	ALSG7S	1
ALCEMC75B	—	—	56.0	64.0	53.0	60.0	M75 x 19	85.0	92.0	111	83	75	29	188	-	ALSG7S	1
ALCEMC75C	—	—	62.0	69.0	58.0	65.0	M75 x 19	85.0	92.0	113	85	75	29	188	-	ALSG7S	1

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals and bead chains also available (lead time and MOQ applies). See website for fitting instructions. # All dimensions in mm unless otherwise specified.

2.6 WEATHERPROOF METAL CABLE GLANDS - SHIELDED CABLE

2.6 EMC BRASS CABLE GLANDS - BRAIDED SHIELDED CABLE - WATTMASTER



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath and contact between screen to earth (body)
Approvals	IP68 (50m)
Range	EMC12-EMC63L
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	Neoprene
O Ring	NBR
Temperature Range	-40°C to +100°C

Refer to Section 7.5 and 7.8 for cable details

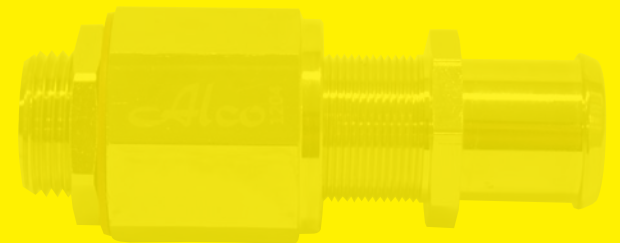
SPECIFICATIONS:

PART NUMBER	CABLE SEALING RANGE (MM)		THREAD DIAMETER x LENGTH	MIN SHIELDED DIAMETER	DIAMETER ACROSS FLATS	ORANGE SHROUD*		BOX QTY
	MIN	MAX				PVC	SILICON	
EMC12	3.0	6.5	M12 x 12	2.0	14	—	**	10
EMC16	5.0	10.0	M16 x 12	3.5	20	—	ALCSG0S	10
EMC20S	6.0	12.0	M20 x 6	4.5	24	ALCSG1	ALCSG1S	10
EMC20	7.5	14.0	M20 x 12	5.5	22	ALCSG1	ALCSG1S	10
EMC25	10.0	18.0	M25 x 12	7.0	30	ALCSG2	ALCSG2S	10
EMC32	16.0	25.0	M32 x 15	12.0	40	ALCSG3	ALCSG3S	5
EMC40	22.0	32.0	M40 x 15	18.0	50	ALCSG4	ALCSG4S	5
EMC50	30.0	38.0	M50 x 15	26.0	58	ALCSG5	ALCSG5S	1
EMC63	34.0	44.0	M63 x 15	30.0	68	ALCSG6	ALCSG6S	1
EMC63L	37.0	53.0	M63 x 10	33.0	75	ALCSG6	ALCSG6S	1

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: Mounting thread pitch 1.5mm, unless otherwise specified. Available in stainless steel upon request. See product and or website for fitting instructions. **No suitable shroud available, use HSTNW18/9 size heatshrink instead. NPT and PG fittings available upon request, lead times apply. See website for fitting instructions. # All dimensions in mm unless otherwise specified.

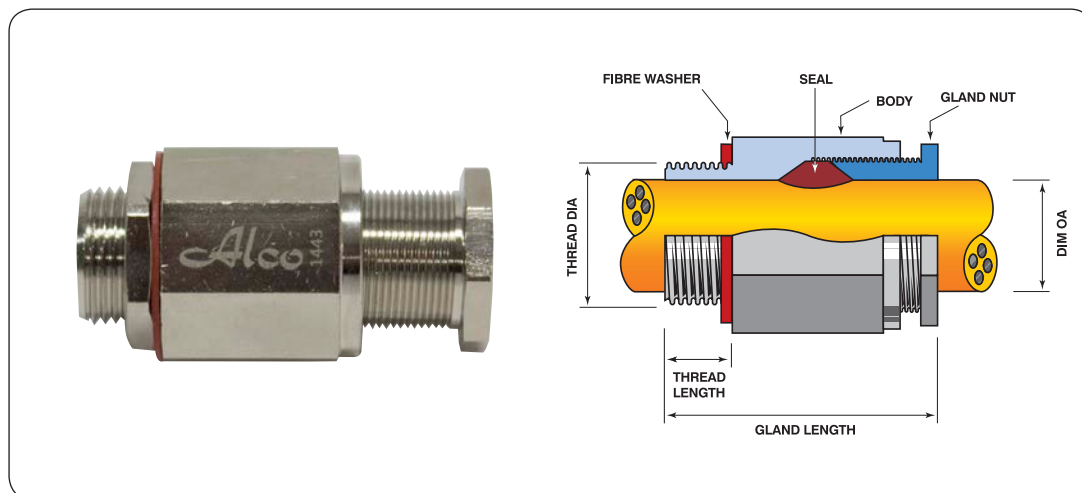
SECTION 3

HAZARDOUS CABLE GLANDS



3.1 HAZARDOUS METAL CABLE GLANDS FOR UNARMoured CABLE GROUP I,II,III - HUW SERIES

3.1.1 HAZARDOUS AREA WEATHERPROOF GLANDS - UNARMoured CABLE - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath
Approvals	
Protection Types[^]	Ex db I/IIc, Ex eb I/IIc, Ex ta IIIC, IP66/68 (30m)
Certificate No	IEC Ex TSA 13.0002 ANZ Ex 13.3001
Standards	IEC/AS/NZS 60079 (.0, .1, .7, .31) IEC 60529 AS 1939-1990
Range	ALCHUW20SB-ALCHUW90
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	TPE
Temperature Range	-20°C to +80°C

[^] Painted light blue, suitable for Exi.

Refer to Section 7.1, 7.3 and 7.6 for cable details

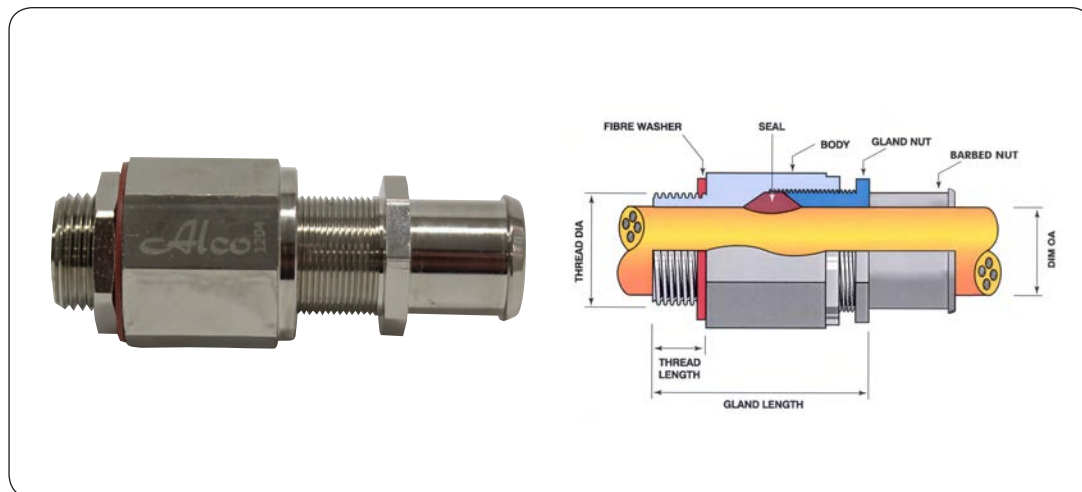
SPECIFICATIONS:

PART NUMBER	CABLE SEALING DETAILS (MM)						THREAD DIAMETER x LENGTH	GLAND DIAMETER		GLAND LENGTH		TORQUE (NM)	ORANGE SHROUD		BOX QTY
	SEAL C (THICKEST)		SEAL B (THICK)		SEAL A (THIN)			ACROSS FLATS	ACROSS POINTS	UNCOMPRESSED	COMPRESSED		PVC	SILICON	
	MIN	MAX	MIN	MAX	MIN	MAX									
ALCHUW20SB	—	—	4.0	8.0	8.0	10.0	M20 x 12	25.0	27.1	61	44	13	ALCSG1	ALCSG1S	20
ALCHUW20A	—	—	6.5	8.0	8.0	10.0	M20 x 12	30.0	32.5	61	44	13	ALCSG3	ALCSG2LS	20
ALCHUW20B	—	—	10.0	12.0	12.0	14.0	M20 x 12	30.0	32.5	61	44	13	ALCSG3	ALCSG2LS	20
ALCHUW25	—	—	14.0	16.0	16.0	19.0	M25 x 12	35.0	37.9	63	46	21	ALCSG3	ALCSG3S	15
ALCHUW32	—	—	19.0	22.0	22.0	25.0	M32 x 15	40.0	43.3	76	56	35	ALCSG4	ALCSG3L	10
ALCHUW40	—	—	25.0	28.5	28.5	31.0	M40 x 15	50.0	54.1	76	56	53	ALCSG4	ALCSG4S	8
ALCHUW50	31.0	36.0	36.0	39.0	39.0	42.0	M50 x 20	62.5	67.7	86	66	83	ALCSG5	ALCSG5S	2
ALCHUW63	42.0	46.5	46.5	50.0	50.0	53.0	M63 x 25	75.0	81.2	98	78	132	—	ALCSG6L	2
ALCHUW75	53.0	57.0	57.0	61.0	61.0	64.0	M75 x 25	90.0	97.4	108	83	188	—	ALCSG7S	1
ALCHUW90	—	—	64.0	68.0	70.0	75.0	M90 x 30	110.0	119.0	138	105	270	—	ALCSG9S	1

* For black shroud add 'B' to part number: e.g. ALCSG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm unless otherwise specified. Spare seals also available (lead time and MOQ applies). See product and website for fitting instructions. # All dimensions in mm unless otherwise specified.

3.1 HAZARDOUS METAL CABLE GLANDS FOR UNARMoured CABLE GROUP I,II,III - HUW SERIES

3.1.2 HAZARDOUS AREA WEATHERPROOF GLANDS - UNARMoured CABLE - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath, barbed nut for use with protective rubber hose
Approvals	
Protection Types[^]	Ex db I/IC, Ex eb I/IC, Ex ta IIIC, IP66/68 (30m)
Certificate No	IEC Ex TSA 13.0002 ANZ Ex 13.3001
Standards	IEC/AS/NZS 60079 (.0, .1, .7, .31) IEC 60529, AS 1939-1990
Range	ALCHUW20SB-H-ALCHUW50-H
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	TPE
Temperature Range	-20°C to +80°C

[^]Painted light blue, suitable for Exi.

Refer to Section 7.1, 7.3 and 7.6 for cable details

SPECIFICATIONS:

PART NUMBER	HOSE ID	CABLE SEALING RANGE (MM)						THREAD DIAMETER x LENGTH	GLAND DIAMETER		GLAND LENGTH		TORQUE (NM)	ORANGE SHROUD		BOX QTY
		SEAL C (THICKEST)		SEAL B (THICK)		SEAL A (THIN)			ACROSS FLATS	ACROSS POINTS	UNCOMPRESSED	COMPRESSED		PVC	SILICON	
		MIN	MAX	MIN	MAX	MIN	MAX									
ALCHUW20SB-H	19	*	*	4.0	8.0	8.0	10.0	M20 x 12	25	27.1	80	63	13	ALCSG1	ALCSG1S	1
ALCHUW20B-H	19	*	*	10.0	12.0	12.0	14.0	M20 x 12	30	32.5	80	63	13	ALCSG3	ALCSG2LS	1
ALCHUW25-H	25	*	*	14.0	16.0	16.0	19.0	M25 x 12	35	37.9	88	71	21	ALCSG3	ALCSG3S	1
ALCHUW32-H	32	*	*	19.0	22.0	22.0	25.0	M32 x 15	40	43.3	108	88	35	ALCSG4	ALCSG3L	1
ALCHUW40-H	38	*	*	25.0	28.5	28.5	31.0	M40 x 15	50	54.1	114	94	53	ALCSG4	ALCSG4S	1
ALCHUW50-H	50	31.0	36.0	36.0	39.0	39.0	42.0	M50 x 20	62.5	67.7	136	116	83	ALCSG5	ALCSG5S	1

* For black shroud add 'B' to part number: e.g. ALCSG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm unless otherwise specified. Spare seals also available (lead time and MOQ applies). See product and website for fitting instructions. # All dimensions in mm unless otherwise specified.

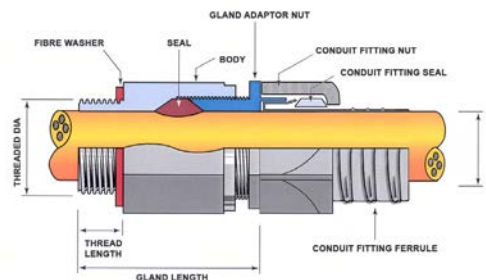
3.1 HAZARDOUS METAL CABLE GLANDS FOR UNARMoured CABLE GROUP I,II,III - HUW SERIES

3.1.3 HAZARDOUS AREA WEATHERPROOF GLANDS - UNARMoured CABLE - ALCO



ANACONDA SEALTITE®

To suit Anaconda Conduit
Please refer to page 51 for sizing



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath, Adaptor nut for use with liquid metal conduit fitting
Approvals	
Protection Types[^]	Ex db I/IC, Ex eb I/IC, Ex ta IIIC, IP66/68 (30m)
Certificate No	IEC Ex TSA 13.0002 ANZ Ex 13.3001
Standards	IEC/AS/NZS 60079 (.0, .1, .7, .31) IEC 60529, AS 1939-1990
Range	ALCHUW20SB-LTA16-ALCHUW50-LTA63
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	TPE
Temperature Range	-20°C to +80°C

[^]Painted light blue, suitable for Exi.

Refer to Section 7.1, 7.3 and 7.6 for cable details

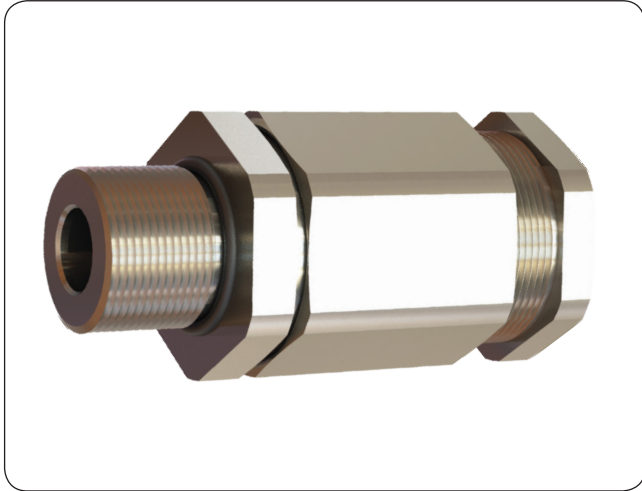
SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE	CABLE SEALING RANGE (MM)						THREAD DIAMETER x LENGTH	GLAND DIAMETER		GLAND LENGTH		TORQUE (NM)	ORANGE SHROUD		BOX QTY
		SEAL C (THICKEST)		SEAL B (THICK)		SEAL A (THIN)			ACROSS FLATS**	ACROSS POINTS**	UNCOMPRESSED	COMPRESSED		PVC	SILICON	
		MIN	MAX	MIN	MAX	MIN	MAX									
ALCHUW20SB-LTA16	16	*	*	4.0	8.0	8.0	10.0	M20 x 12	26	29	84	66	13	ALCSG2	ALCSG2S	1
ALCHUW20A-LTA20	20	*	*	6.5	8.0	8.0	10.0	M20 x 12	29	32.7	84	66	13	ALCSG2	ALCSG2S	1
ALCHUW20B-LTA25	25	*	*	10.0	12.0	12.0	14.0	M20 x 12	35	38.6	84	66	13	ALCSG3	ALCSG2LS	1
ALCHUW25-LTA32	32	*	*	14.0	16.0	16.0	19.0	M25 x 12	45	50	86	68	21	ALCSG4	ALCSG4S	1
ALCHUW32-LTA40	40	*	*	19.0	22.0	22.0	25.0	M32 x 15	54	60	116	95	35	ALCSG5	ALCSG5S	1
ALCHUW40-LTA50	50	*	*	25.0	28.5	28.5	31.0	M40 x 15	63	69.2	116	95	53	ALCSG6	ALCSG6S	1
ALCHUW50-LTA63	63	31.0	36.0	36.0	39.0	39.0	42.0	M50 x 20	72	85	126	105	83	—	ALCSG6L	1

* For black shroud add 'B' to part number: e.g. ALCSG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm unless otherwise specified. Spare seals also available (lead time and MOQ applies). See product and website for fitting instructions. ** Dimensions shown are the largest flats. Refer to standard nut option for sleeve dimensions. # All dimensions in mm unless otherwise specified.

3.1 HAZARDOUS METAL CABLE GLANDS FOR UNARMoured CABLE GROUP I, II, III - BUB2-B SERIES

3.1.4 HAZARDOUS AREA WEATHERPROOF BARRIER GLANDS - UNARMoured CABLE - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath
Approvals	
Protection Types[^]	Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex tb IIC Db, IP 66/68
Certificate No	IECEX CES xx.xxxxX Approval Pending
Standards	IEC/AS/NZS 60079 (.0, .1, .7, .31)
Range	ALCBUB2M20-B TO ALCBUB2M75-B
Material	Nickel plated Brass. (Stainless steel to order)
Locknut	Supplied as standard
Seal	Silicon Rubber
Temperature Range	-??°C to +100°C

[^]At least one visible component painted light blue, the glands are suitable for Ex i

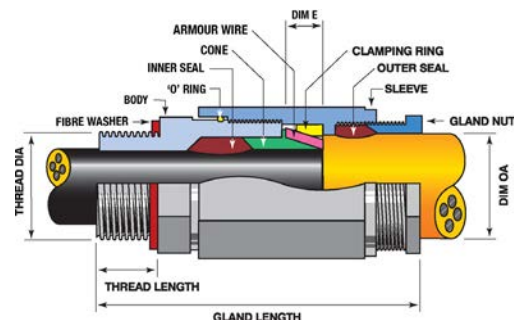
SPECIFICATIONS:

PART NUMBER	THREAD DIAMETER x LENGTH	TORQUE (NM)		GLAND DIAMETER		GLAND LENGTH		CABLE DETAILS						FILLING COMPOUND PACK X NUMBER	ORANGE SHROUD		
		SLEEVE (NM)	NUT (NM)	ACROSS FLATS**	ACROSS POINTS**	UNCOMPRESSED	COMPRESSED	MIN DIAM OVER CORES	MAX DIAMETER OVER CORES		MAX NUMBER OF CORES	MAX CSA OF ALL CORES	OVERAL DIAMETER SEALING RANGE				
									SINGLE CORE CABLE	MULTI CORE CABLE			MULTI CORE CABLE		(MM2)	MIN (MM)	MAX (MM)
ALCBUB2M20-B	M20 x 16	60	25	25	27		65	1.5	9.5	9.5	9	70.9	8	15	IP38 X 1	ALCSG2	ALCSG2S
ALCBUB2M20L-B	M20 x 16	60	35	30	33		67		9.5	9.5	9	70.9	13.5	21	IP38 X 1	ALCSG2L	ALCSG2LS
ALCBUB2M25S-B	M25 x 16	60	25	30	33		65		9.5	9.5	9	70.9	8	15	IP38 X 1	ALCSG2L	ALCSG2LS
ALCBUB2M25-B	M25 x 16	60	35	30	33		67		9.5	9.5	9	70.9	13.5	21	IP38 X 1	ALCSG2L	ALCSG2LS
ALCBUB2M25L-B	M25 x 16	65	30	40	44.5		74		15	15	22	176	18	27	IP38 X 1	ALCSG4	ALCSG3L
ALCBUB2M32-B	M32 x 16	70	30	44	44.5		74		15	15	22	176	18	27	IP38 X 1	ALCSG4	ALCSG3L
ALCBUB2M32L-B	M32 x 16	70	55	43	47		76	15	21.5	21.5	36	363	23	33	IP38 X 1	ALCSG4	ALCSG3L
ALCBUB2M40-B	M40 x 16	80	65	50	55.5		84		29	29	55	660	29	40	IP38 X 2	ALCSG4	ALCSG4S
ALCBUB2M50-B	M50 x 16	90	75	58	64		90		37	37	75	1075	35	48	IP125 X 1	ALCSG5	ALCSG5S
ALCBUB2M63-B	M63 x 16	110	85	75	83		116		46	46	99	1660	42	56	IP180 X 1	-	ALCSG6L
ALCBUB2M75-B	M75 x 16	120	150	100	111		125		58	58	129	2640	54	70	IP180 X 1	-	ALCSG8S

* For black shroud add 'B' to part number: e.g. ALCG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm unless otherwise specified. Spare seals also available (lead time and MOQ applies). See product and website for fitting instructions. ** Dimensions shown are the largest flats. Refer to standard nut option for sleeve dimensions. # All dimensions in mm unless otherwise specified.

3.2 HAZARDOUS METAL CABLE GLANDS FOR ARMoured CABLE GROUP I,II,III - HAW SERIES

3.2.1 HAZARDOUS AREA WEATHERPROOF GLANDS - ARMoured CABLE - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath, clamps SWA
Approvals	
Protection Types[^]	Ex db I/IC, Ex eb I/IC, Ex ta IIIC, IP66/68 (30m)
Certificate No	IEC Ex TSA 13.0001 ANZ Ex 13.3000
Standards	IEC/AS/NZS 60079 (.0, .1, .7, .31) IEC 60529, AS 1939-1990
Range	ALCHAW20LR-ALCHAW90B
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	TPE
Temperature Range	-20°C to +80°C

[^]Painted light blue, suitable for Exi.

Refer to Section 7.2, 7.4 and 7.7 for cable details

SPECIFICATIONS:

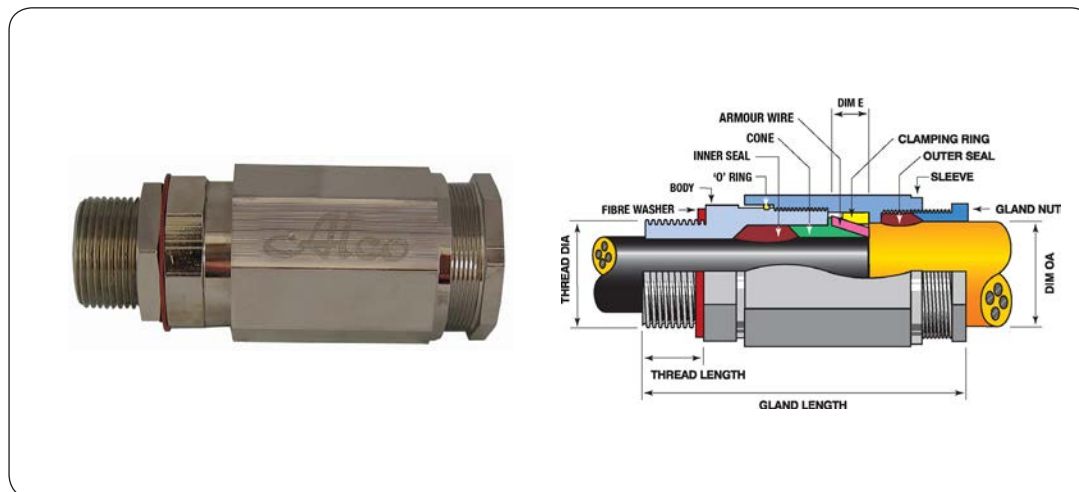
PART NUMBER	CABLE SEALING RANGE (MM)						THREAD DIAMETER x LENGTH	GLAND DIAMETER		GLAND LENGTH		EXPOSED LENGTH SWA "E"	SWA DIAMETER	TORQUE (NM)	ORANGE SHROUD		BOX QTY
	OVER BEDDING				OVERALL			ACROSS FLATS	ACROSS POINTS	UNCOMPRESSED	COMPRESSED				PVC	SILICON	
	SEAL B (INNER)		SEAL A (INNER)		SEAL A (OUTER)												
	MIN	MAX	MIN	MAX	MIN	MAX											
ALCHAW20LR	–	–	5.2	8	7.8	12.7	M20 x 15	25	27.1	64	53	7	0.7 – 0.9	26	ALCSG1	ALCSG1S	20
ALCHAW20	6.5	8	8	10	11.5	16	M20 x 20	27.5	29.8	89	71	10.5	0.8 – 1.25	26	ALCSG2	ALCSG2S	20
ALCHAW20SB	–	–	8.7	12.3	14	18	M20 x 16	27.5	29.8	89	71	10.5	0.8 – 1.25	26	ALCSG2	ALCSG2S	20
ALCHAW25A	10	12	12	14	16	20	M25 x 20	30	32.5	89	71	10.5	0.8 – 1.25	41	ALCSG3	ALCSG2LS	12
ALCHAW25B	14	16	16	18	20	24	M25 x 20	37.5	40.6	100	78	13	1.25 – 1.60	41	ALCSG3	ALCSG3S	10
ALCHAW32A	18	19.5	19.5	21.5	24	28	M32 x 20	42.5	46	107	86	16	1.25 – 1.60	68	ALCSG4	ALCSG3L	6
ALCHAW32B	21.5	23	23	25	28	32	M32 x 20	47.5	51.4	107	86	16	1.60 – 2.00	68	ALCSG4	ALCSG4S	6
ALCHAW40A	25	27	27	29	32	37	M40 x 20	50	54.1	114	90	16	1.60 – 2.00	106	ALCSG4	ALCSG4S	4
ALCHAW40B	28.5	31	31	33.5	37	42	M40 x 20	57.5	62.6	114	90	16	1.60 – 2.00	106	ALCSG5	ALCSG5S	4
ALCHAW50A	33	35	35	37.5	41	46	M50 x 20	62.5	67.6	119	96	19	2.00 – 2.50	166	ALCSG6	ALCSG6S	2
ALCHAW50B	36.5	39	39	42	45	51	M50 x 20	70	75.8	119	96	19	2.00 – 2.50	166	ALCSG6	ALCSG6S	2
ALCHAW63A	42	44.5	44.5	47	51	57	M63 x 25	75	81.2	146	115	19	2.50 – 3.15	260	–	ALCSG6L	1
ALCHAW63B	47	50	50	53	57	63	M63 x 25	85	92	146	115	19	2.50 – 3.15	260	–	ALCSG7S	1
ALCHAW75A	52.5	55.5	55.5	58.5	62	69	M75 x 25	100	108.2	154	123	24	2.50 – 3.15	375	–	ALCSG8S	1
ALCHAW75B	58	61	61	64	66	75	M75 x 25	100	108.2	154	123	24	2.50 – 3.15	375	–	ALCSG8S	1
ALCHAW90A	63	66	66	69	73	82	M90 x 25	110	119	168	132	29	2.50 – 3.15	540	–	ALCSG9S	1
ALCHAW90B	68	71.5	71.5	75	81	90	M90 x 25	110	119	168	132	29	2.50 – 3.15	540	–	ALCSG9S	1

* For black shroud add 'B' to part number: e.g. ALCSG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm unless otherwise specified. Spare seals also available (lead time and MOQ applies).

See product and website for fitting instructions. ** Dimensions shown are the largest flats. Refer to standard nut option for sleeve dimensions. # All dimensions in mm unless otherwise specified.

3.2 HAZARDOUS METAL CABLE GLANDS FOR ARMoured CABLE GROUP I,II,III - HAW SERIES

3.2.2 HAZARDOUS AREA WEATHERPROOF BARRIER GLANDS - ARMoured CABLE - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath, clamps SWA
Approvals	
Protection Types ^	Ex db I/IC, Ex eb I/IC, Ex ta IIIC, IP66/68 (30m)
Certificate No	IEC Ex TSA 13.0001 ANZ Ex 13.3000
Standards	IEC/AS/NZS 60079 (.0, .1, .7, .31) IEC 60529, AS 1939-1990
Range	ALCHAW20LRB-ALCHAW90B-B
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	TPE, Epoxy Resin
Temperature Range	-20°C to +80°C -20°C to +100°C at the branching point

^Painted light blue, suitable for Exi.

Refer to Section 7.2, 7.4 and 7.7 for cable details

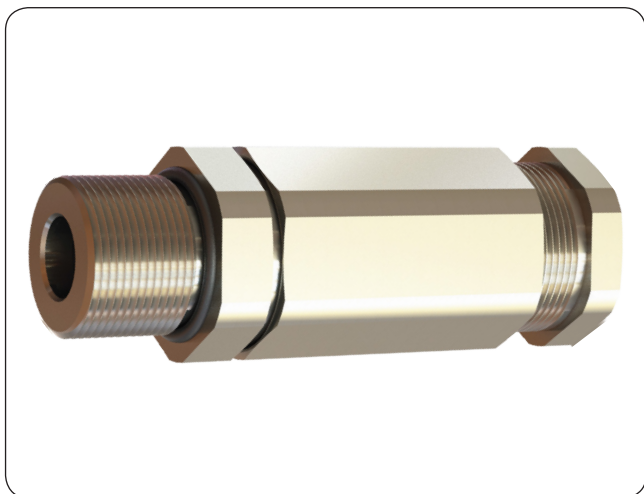
SPECIFICATIONS:

PART NUMBER	CABLE SEALING RANGE (MM)			THREAD DIAMETER x LENGTH	GLAND DIAMETER		GLAND LENGTH		EXPOSED LENGTH SWA 'E'	EXPOSED LENGTH BEDDING 'G'	SWA DIAMETER	TORQUE (NM)	ORANGE SHROUD		BOX QTY	SUITABLE RESIN PACK
	MAX UNDER BEDDING	OVERALL			ACROSS FLATS	ACROSS POINTS	UNCOMPRESSED	COMPRESSED					PVC	SILICON		
		MULTI CORE	MIN													
ALCHAW20LRB	7.8	7.8	12.7	M20 x 15	25.0	27.1	64	53	7.0	8.0	0.7 – 0.9	26	ALCSG1	ALCSG1S	20	ALCIP38 x 1
ALCHAW20-B	7.8	11.5	16.0	M20 x 20	27.5	29.8	89	71	10.5	11.0	0.8 – 1.25	26	ALCSG2	ALCSG2S	20	ALCIP38 x 1
ALCHAW20SB-B	10.0	14.0	18.0	M20 x 16	27.5	29.8	89	71	10.5	11.0	0.8 – 1.25	26	ALCSG2	ALCSG2S	20	ALCIP38 x 1
ALCHAW25A-B	11.8	16.0	20.0	M25 x 20	30.0	32.5	89	71	10.5	11.0	0.8 – 1.25	41	ALCSG3	ALCSG2LS	12	ALCIP38 x 1
ALCHAW25B-B	15.8	20.0	24.0	M25 x 20	37.5	40.6	100	78	13.0	14.0	1.25 – 1.60	41	ALCSG3	ALCSG3S	10	ALCIP38 x 1
ALCHAW32A-B	19.1	24.0	28.0	M32 x 20	42.5	46.0	107	86	16.0	16.0	1.25 – 1.60	68	ALCSG4	ALCSG3L	6	ALCIP38 x 1
ALCHAW32B-B	22.6	28.0	32.0	M32 x 20	47.5	51.4	107	86	16.0	16.0	1.60 – 2.00	68	ALCSG4	ALCSG4S	6	ALCIP38 x 1
ALCHAW40A-B	26.6	32.0	37.0	M40 x 20	50.0	54.1	114	90	16.0	16.0	1.60 – 2.00	106	ALCSG4	ALCSG4S	4	ALCIP125 x 1
ALCHAW40B-B	31.1	37.0	42.0	M40 x 20	57.5	62.6	114	90	16.0	16.0	1.60 – 2.00	106	ALCSG5	ALCSG5S	4	ALCIP125 x 1
ALCHAW50A-B	34.5	41.0	46.0	M50 x 20	62.5	67.6	119	96	19.0	16.0	2.00 – 2.50	166	ALCSG6	ALCSG6S	2	ALCIP125 x 1
ALCHAW50B-B	39.0	45.0	51.0	M50 x 20	70.0	75.8	119	96	19.0	16.0	2.00 – 2.50	166	ALCSG6	ALCSG6S	2	ALCIP125 x 1
ALCHAW63A-B	44.0	51.0	57.0	M63 x 25	75.0	81.2	146	115	19.0	20.0	2.50 – 3.15	260	-	ALCSG6L	1	ALCIP180 x 1
ALCHAW63B-B	50.0	57.0	63.0	M63 x 25	85.0	92.0	146	115	19.0	20.0	2.50 – 3.15	260	-	ALCSG7S	1	ALCIP180 x 1
ALCHAW75A-B	55.0	62.0	69.0	M75 x 25	100.0	108.2	154	123	24.0	20.0	2.50 – 3.15	375	-	ALCSG8S	1	ALCIP125 x 2
ALCHAW75B-B	60.5	66.0	75.0	M75 x 25	100.0	108.2	154	123	24.0	20.0	2.50 – 3.15	375	-	ALCSG8S	1	ALCIP125 x 2
ALCHAW90A-B	64.4	73.0	82.0	M90 x 25	110.0	119.0	168	132	29.0	20.0	2.50 – 3.15	540	-	ALCSG9S	1	ALCIP180 x 2
ALCHAW90B-B	70.4	81.0	90.0	M90 x 25	110.0	119.0	168	132	29.0	20.0	2.50 – 3.15	540	-	ALCSG9S	1	ALCIP180 x 2

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). See product and website for fitting instructions. # All dimensions in mm unless otherwise specified.

3.2 HAZARDOUS METAL CABLE GLANDS FOR ARMoured CABLE GROUP I, II, III - BAB2-B SERIES

3.2.3 HAZARDOUS AREA WEATHERPROOF BARRIER GLANDS - ARMoured CABLE - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath, clamps SWA.
	Provides gas transmission barrier
Approvals	
Protection Types[^]	Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex tb IIC Db, IP 66/68
Certificate No	IECEX CES xx.xxxxX Approval Pending
Standards	IEC/AS/NZS 60079 (.0, .1, .7, .31)
Range	ALCBAB2M20-B TO ALCBAB2M75-B
Material	Nickel plated Brass. (Stainless steel to order)
Locknut	Supplied as standard
Seal	Silicon Rubber
Temperature Range	-??°C to +100°C

[^]At least one visible component painted light blue, the glands are suitable for Ex i

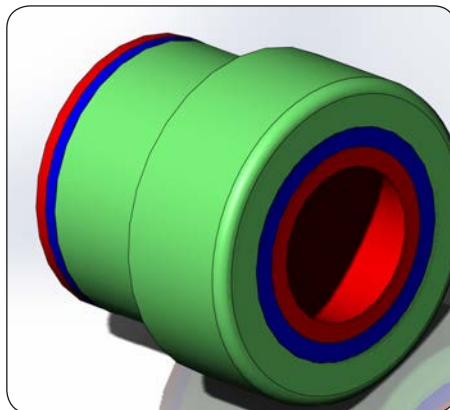
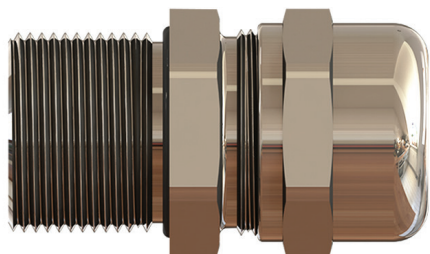
SPECIFICATIONS:

PART NUMBER	THREAD DIAMETER x LENGTH	TORQUE (NM)		GLAND DIAMETER		GLAND LENGTH		CABLE DETAILS							FILLING COMPOUND PACK X NUMBER	ORANGE SHROUD	
		SLEEVE (NM)	NUT (NM)	ACROSS FLATS**	ACROSS POINTS**	UNCOMPRESSED	COMPRESSED	MIN DIAM OVER CORES	MAX DIAM OVER CORES	MAX NUMBER OF CORES	MAX CSA OF ALL CORES	DIAMETER OVER BEDDING	OVERAL DIAMETER SEALING RANGE			PVC	SILICON
									MULTI CORE CABLE	MULTI CORE CABLE	(MM2)	MAX (MM)	MIN (MM)	MAX (MM)			
ALCBAB2M20-B	M20 x 16	60	25	25	27		78	1.5	9.5	9	70.9	9.5	8	15	IP38 X 1	ALCSG2	ALCSG2S
ALCBAB2M20L-B	M20 x 16	60	35	30	33		79		9.5	9	70.9	15	13.5	21	IP38 X 1	ALCSG2L	ALCSG2LS
ALCBAB2M25S-B	M25 x 16	60	25	30	33		78		9.5	9	70.9	9.5	8	15	IP38 X 1	ALCSG2L	ALCSG2LS
ALCBAB2M25-B	M25 x 16	60	35	30	33		79		9.5	9	70.9	15	13.5	21	IP38 X 1	ALCSG2L	ALCSG2LS
ALCBAB2M25L-B	M25 x 16	65	30	40	44.5		87		15	22	176	20	18	27	IP38 X 1	ALCSG4	ALCSG3L
ALCBAB2M32-B	M32 x 16	70	30	40	44.5		87		15	22	176	20	18	27	IP38 X 1	ALCSG4	ALCSG3L
ALCBAB2M32L-B	M32 x 16	70	55	43	47		88	15	21.5	36	363	26	23	33	IP38 X 1	ALCSG4	ALCSG3L
ALCBAB2M40-B	M40 x 16	80	65	50	55.5		97		29	55	660	32	29	40	IP38 X 2	ALCSG4	ALCSG4S
ALCBAB2M50-B	M50 x 16	90	75	58	64		104		37	75	1075	39	35	48	IP125 X 1	ALCSG5	ALCSG5S
ALCBAB2M63-B	M63 x 16	110	85	75	83		140		46	99	1660	46	42	56	IP180 X 2	-	ALCSG6L
ALCBAB2M75-B	M75 x 16	120	150	100	111		144		58	129	2640	59	54	70	IP180 X 3	-	ALCSG8S

* For black shroud add 'B' to part number: e.g. ALCSG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm unless otherwise specified. Spare seals also available (lead time and MOQ applies). See product and website for fitting instructions. ** Dimensions shown are the largest flats. Refer to standard nut option for sleeve dimensions. # All dimensions in mm unless otherwise specified.

3.3 HAZARDOUS METAL CABLE GLANDS FOR UNARMoured CABLE - GROUP II, III

3.3.1 HAZARDOUS AREA WEATHERPROOFGLANDS - UNARMoured CABLE - ALCO - TRIPLE SEAL



Note: Triple seal. Remove components as required to obtain correct size.

Applications	For indoor and outdoor use
Function	Provides seal on cable sheath
Approvals	
Protection Types[^]	Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db, IP 66/68 (50m)
Certificate No	IECEx IMQ 14.0007X
Standards	IEC/AS/NZS 60079 (.0, .1, .7, .31) IEC60259
Range	ALCBUBM12-ALCBUBM110*
Material	Brass, Nickel Plated
Locknut	ALCPLN12-ALCPLN110
Earth Tag	ALCET12-ALCET110
Seal	Neoprene/Silicon on request
Temperature Range	-40°C to +100°C/-60°C to +130°C

* Range also available in brass, nickel plated with NPT thread and in Stainless Steel with Metric or NPT thread (lead time and MOQ applies).

[^] Painted light blue, suitable for Exi.

Refer to Section 7.1, 7.3 and 7.6 for cable details

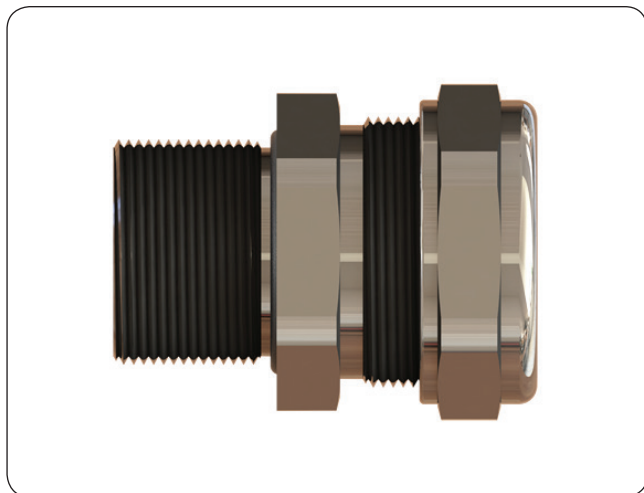
SPECIFICATIONS:

PART NUMBER	CABLE SEALING RANGE (MM)									THREAD DIAMETER x LENGTH	GLAND DIAMETER		GLAND LENGTH		ORANGE SHROUD	
	SEALS 1+2+3			SEALS 1+2			SEALS 1 ONLY				ACROSS FLATS	ACROSS POINTS	UNCOMPRESSED	COMPRESSED	PVC	SILICON
	MIN	MAX	TORQUE	MIN	MAX	TORQUE	MIN	MAX	TORQUE							
ALCBUBM12	4.0	6.0	20	6	8	18	—	—	—	M12 x 16	22	24.5	30.5	25	ALCSG1	ALCSG1S
ALCBUBM16S	—	—	—	3	6	25	6	9	18	M16 x 16	20	22	27	21	—	ALCSG0S
ALCBUBM16	4	6	20	6	9	18	9	12	15	M16 x 16	22	24.5	31	25.5	ALCSG1	ALCSG1S
ALCBUBM20S	4	6	20	6	9	18	9	12	15	M20 x 16	22	24.5	26.8	21	ALCSG1	ALCSG1S
ALCBUBM20	10	12	24	12	14.5	22	14.5	16	18	M20 x 16	28	31	30	23.5	ALCSG2	ALCSG2S
ALCBUBM25S	10	12	25	12	14.5	22	14.5	18	18	M25 x 16	28	31	30.5	23.5	ALCSG2	ALCSG2S
ALCBUBM25	14	17	26	17	20	22	—	—	—	M25 x 16	35	39	34	26.5	ALCSG3	ALCSG3S
ALCBUBM32S	14	17	28	17	20	23	20	24	20	M32 x 16	35	39	33	25.5	ALCSG3	ALCSG3S
ALCBUBM32	22	24	45	24	27	40	27	28	35	M32 x 16	45	49.5	40.7	30.7	ALCSG4	ALCSG4S
ALCBUBM40S	22	24	56	24	27	50	27	32	45	M40 x 18	45	49.5	40.7	30.7	ALCSG4	ALCSG4S
ALCBUBM40	26	28	57	28	31	55	31	34	52	M40 x 18	50	56	43.8	33.8	—	ALCSG4S
ALCBUBM50S	26	28	57	28	31	55	31	35	52	M50 x 18	55	61	43.8	33.8	ALCSG5	ALCSG5S
ALCBUBM50	35	38	190	38	41	155	41	44	140	M50 x 18	64	70	43	33	—	ALCSG6S
ALCBUBM63S	35	38	190	38	41	155	41	45	140	M63 x 18	68	75	43	33	ALCSG6	ALCSG6S
ALCBUBM63	46	48	160	48	52	145	52	56	135	M63 x 18	80	89	52.5	37	—	ALCSG6L
ALCBUBM75S	46	51	185	51	57	175	57	62	150	M75 x 20	80	89	52	36	—	ALCSG6L
ALCBUBM75	60	63	123	65	69	118	69	70	107	M75 x 20	95	105	55	40	—	ALCSG8S
ALCBUBM90S	60	63	123	65	69	118	69	70	107	M90 x 20	95	105	55	40	—	ALCSG8S
ALCBUBM90	75	79	135	79	82	130	82	85	125	M90 x 20	105	117	54.7	39	—	ALCSG8S
ALCBUBM100	75	79	135	79	82	130	82	85	125	M100 x 20	105	117	54.7	39	—	ALCSG8S
ALCBUBM110	85	89	180	89	92	175	92	95	170	M110 x 20	115	128	56.8	40.5	—	ALCSG9S

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). See product and website for fitting instructions. # All dimensions in mm unless otherwise specified.

3.3 HAZARDOUS METAL CABLE GLANDS FOR UNARMoured CABLE - GROUP II,III

3.3.2 HAZARDOUS AREA WEATHERPROOF GLANDS - UNARMoured CABLE - ALCO - SINGLE SEAL



Applications	For indoor and outdoor use
Function	Provides seal on cable sheath
Approvals	
Protection Types ^	Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db, IP 66/68 (50m)
Certificate No	IECEx CES 14.0024X
Standards	IEC/AS/NZS 60079 (.0, .1, .7, .31) IEC60259
Range	ALCBUB2M16-ALCBUB2M90*
Material	Brass, Nickel Plated
Locknut	ALCPLN16-ALCPLN90
Earth Tag	ALCET16- ALCET90
Seal	Neoprene/Silicon on request
Temperature Range	-40°C to +100°C/-60°C to +130°C

* Range also available in brass, nickel plated with NPT thread and in Stainless Steel with Metric or NPT thread (lead time and MOQ applies).

^ Painted light blue, suitable for ExI.

Refer to Section 7.1, 7.3 and 7.6 for cable details

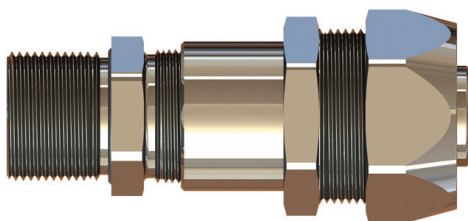
SPECIFICATIONS:

PART NUMBER	CABLE SEALING RANGE (MM)		THREAD DIAMETER x LENGTH	GLAND DIAMETER		GLAND LENGTH		TORQUE (NM)	ORANGE SHROUD	
	MIN	MAX		ACROSS FLATS	ACROSS POINTS	UNCOMPRESSED	COMPRESSED		PVC	SILICON
ALCBUB2M16	3	8.5	M16 x 16	26	29.00	41.00	35.00	31	ALCSG2	ALCSG2S
ALCBUB2M16L	6	12	M16 x 16	29	31.50	44.00	37.50	35	ALCSG2	ALCSG2S
ALCBUB2M20	6	12	M20 x 16	29	31.50	43.50	37.00	35	ALCSG2	ALCSG2S
ALCBUB2M20L	12	14.5	M20 x 16	30	33.50	45.00	39.20	33	—	ALCSG2LS
ALCBUB2M25S	6	12	M25 x 18	29	31.50	46.50	40.00	35	ALCSG2	ALCSG2S
ALCBUB2M25	12	16	M25 x 18	35	39.00	46.50	39.50	30	ALCSG3	ALCSG3S
ALCBUB2M25L	12	20	M25 x 18	40	44.50	50.50	41.50	61	—	ALCSG3L
ALCBUB2M32S	12	20	M32 x 18	40	44.50	51.50	42.50	61	—	ALCSG3L
ALCBUB2M32	15	26	M32 x 18	52	57.00	57.00	45.70	86	—	ALCSG4S
ALCBUB2M40S	15	26	M40 x 18	52	57.00	58.50	47.20	86	—	ALCSG4S
ALCBUB2M40	20	32	M40 x 18	60	66.00	68.00	53.00	110	ALCSG5	ALCSG5S
ALCBUB2M50S	22	35	M50 x 18	70	77.00	68.50	53.30	110	ALCSG6	ALCSG6S
ALCBUB2M50	27	41	M50 x 18	70	77.00	72.00	56.30	125	ALCSG6	ALCSG6S
ALCBUB2M63S	35	45	M63 x 20	80	89.50	81.50	61.50	165	—	ALCSG6L
ALCBUB2M63	40	52	M63 x 20	85	94.00	81.50	61.50	250	—	ALCSG7S
ALCBUB2M75S	40	52	M75 x 20	85	94.00	81.50	61.50	250	—	ALCSG7S
ALCBUB2M75	45	60	M75 x 20	95	105.00	92.00	73.80	250	—	ALCSG8S
ALCBUB2M90S	45	60	M90 x 20	95	105.00	92.00	73.80	250	—	ALCSG8S
ALCBUB2M90	60	72	M90 x 20	115	127.00	104.00	82.30	300	—	ALCSG9S

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). See product and website for fitting instructions. # All dimensions in mm unless otherwise specified.

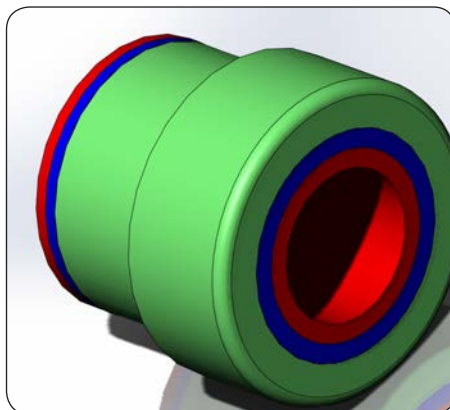
3.3 HAZARDOUS METAL CABLE GLANDS FOR UNARMoured CABLE - GROUP II,III

3.3.3 HAZARDOUS AREA WEATHERPROOF GLANDS - UNARMoured CABLE - LIQUID TIGHT METAL CONDUIT PROTECTION - ALCO - TRIPLE SEAL



ANACONDA SEALTITE®

To suit Anaconda Conduit
Please refer to pages 40-46 for sizing



Note: Triple seal. Remove components as required to obtain correct size.

Applications	For indoor and outdoor use
Function	Provides seal on cable sheath, clamps & seals on flexible conduit
Approvals	
Protection Types ^	Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db, IP 66/68 (50m)
Certificate No	1IECEX IMQ13.0006X
Standards	IEC/AS/NZS 60079 (.0, .1, .7, .31) IEC60259
Range	ALCBCBM12-ALCBCBM50
Material	Brass, Nickel Plated
Locknut	ALCPLN12-ALCPLN50
Earth Tag	ALCET12-ALCET50
Seal	Neoprene/Silicon on request
Temperature Range	-40°C to +80°C/-60°C to +80°C

* Range also available in brass, nickel plated with NPT thread and in Stainless Steel with Metric or NPT thread and in 45°C to +90°C options (lead time and MOQ applies).

^ Painted light blue, suitable for Exi.

Refer to Section 7.1, 7.3 and 7.6 for cable details

SPECIFICATIONS:

PART NUMBER	CABLE SEALING RANGE (MM)									THREAD DIAMETER X LENGTH	FITTING DIAMETER		FITTING LENGTH		ORANGE SHROUD*	
	SEALS - 1+2+3			SEALS - 1+2			SEALS - 1 ONLY				OVER FLATS	OVER POINTS	UNCOM- PRESSED	COMPRESSED	PVC	SILICON
	MIN	MAX	TORQUE	MIN	MAX	TORQUE	MIN	MAX	TORQUE							
ALCBCBM12	4	6	20	6	8	18	—	—	—	M12 x 16	29	31.5	71	64	ALCSG2	ALCSG2S
ALCBCBM16	4	6	20	6	9	18	9	12	15	M16 x 16	29	31.5	70.5	64	ALCSG2	ALCSG2S
ALCBCBM20	4	6	20	6	9	18	9	12	15	M20 x 16	29	31.5	67	61	ALCSG2	ALCSG2S
ALCBCBM25	10	12	25	12	14.5	22	14.5	18	18	M25 x 16	35	38.5	70	63	ALCSG3	ALCSG2LS
ALCBCBM32	14	17	28	17	20	23	20	24	20	M32 x 16	45	50.8	75	70	ALCSG4	ALCSG3L
ALCBCBM40	22	24	56	24	27	50	27	32	45	M40 x 18	54	60.0	71.5	82	ALCSG5	ALCSG5S
ALCBCBM50	26	28	87	28	31	55	31	35	52	M50 x 18	63	69.0	97	87	ALCSG6	ALCSG6S

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). See product and website for fitting instructions. # All dimensions in mm unless otherwise specified.

3.4 HAZARDOUS METAL CABLE GLANDS FOR ARMoured CABLE - GROUP II,III

3.4.1 HAZARDOUS AREA WEATHERPROOF GLANDS - ARMoured CABLE - ALCO - TYPE 1 - SINGLE SEAL



Applications	For indoor and outdoor use
Function	Provides seal on cable sheath and bedding, clamps SWA
Approvals	
Protection Types[^]	Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db, IP66/68 (50m)
Certificate No	IECEX CES 14.0024X
Standards	IEC/AS/NZS 60079 (.0, .1, .7, .31) IEC60259
Range	ALCBABM16S-ALCBABM90*
Material	Brass, Nickel Plated
Locknut	ALCPLN16-ALCPLN90
Earth Tag	ALCET16-ALCET90
Seal	Neoprene/Silicon on request
Temperature Range	-40°C to +100°C/-60°C to +100°C

* Range also available in brass, nickel plated with NPT thread and in Stainless Steel with Metric or NPT thread (lead time and MOQ applies).

[^] Painted light blue, suitable for Exi.

Refer to Section 7.2, 7.4 and 7.7 for cable details

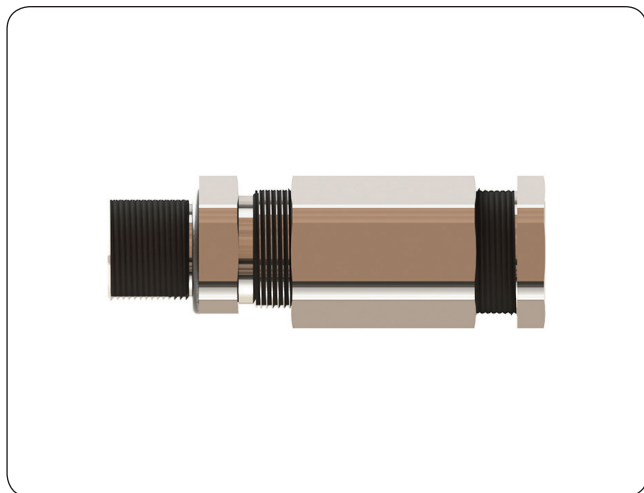
SPECIFICATIONS:

PART NUMBER	CABLE SEALING RANGE (MM)				THREAD DIAMETER x LENGTH	GLAND DIAMETER		GLAND LENGTH		EXPOSED LENGTH SWA REQUIRED	ARMOUR SIZE (MAX)	TORQUE (NM)		ORANGE SHROUD*	
	BEDDING		OVERALL			ACROSS FLATS	ACROSS POINTS	UNCOMPRESSED	COMPRESSED			SLEEVE	SEAL NUT	PVC	SILICON
	MIN	MAX	MIN	MAX											
ALCBABM16S	3.0	8.5	6.0	12.0	M16 x 16	26.0	29.0	63	55	7	1.3	27	25	ALCSG2	ALCSG2S
ALCBABM16	6.0	12.0	8.5	16.0	M16 x 16	29.0	31.5	64	56	7	1.3	49	28	ALCSG2	ALCSG2S
ALCBABM20S	3.0	8.5	6.0	12.0	M20 x 16	26.0	29.0	63	55	8	1.3	27	25	ALCSG2	ALCSG2S
ALCBABM20	6.0	12.0	8.5	16.0	M20 x 16	29.0	31.5	63	55	8	1.3	49	28	ALCSG2	ALCSG2S
ALCBABM20X	8.5	14.5	12.0	20.0	M20 x 16	35.0	32.0	73	65	8	1.3	33	33	—	ALCSG2LS
ALCBABM20L	12.0	14.5	16.0	20.0	M20 x 16	35.0	32.0	66	58	9	1.3	33	33	—	ALCSG2LS
ALCBABM25S	6.0	12.0	8.5	16.0	M25 x 18	29.0	31.5	66	58	9	1.3	49	28	ALCSG2	ALCSG2S
ALCBABM25	12.0	16.0	16.0	21.0	M25 x 18	34.0	37.0	71	63	9	1.3	30	27	—	ALCSG2LS
ALCBABM25L	12.0	20.0	16.0	26.0	M25 x 18	40.0	44.0	78	69	11	1.6	61	32	—	ALCSG3L
ALCBABM32S	12.0	20.0	16.0	26.0	M32x 18	40.0	44.0	80	70	11	1.6	61	32	—	ALCSG3L
ALCBABM32	15.0	26.0	20.0	33.0	M32 x 18	52.0	57.0	96	84	12	1.6	86	40	—	ALCSG4S
ALCBABM40S	15.0	26.0	20.0	33.0	M40 x 18	52.0	57.0	96	84	14	2.0	86	40	—	ALCSG4S
ALCBABM40	20.0	32.0	29.0	41.0	M40 x 18	60.0	66.0	107	95	14	2.0	110	75	ALCSG5	ALCSG5S
ALCBABM50S	22.0	35.0	33.0	48.0	M50 x 18	75.0	82.0	115	102	16	2.5	110	75	ALCSG6	ALCSG6S
ALCBABM50	27.0	41.0	36.0	52.0	M50 x 18	74.0	83.0	118	104	16	2.5	125	75	ALCSG6	ALCSG6S
ALCBABM63S	35.0	45.0	43.0	57.0	M63 x 20	80.0	89.5	126	112	18	2.5	160	140	—	ALCSG6L
ALCBABM63	40.0	52.0	47.0	60.0	M63 x 20	85.0	94.0	127	113	18	2.5	250	100	—	ALCSG7S
ALCBABM75S	40.0	52.0	47.0	60.0	M75 x 20	85.0	94.0	127	113	20	2.5	250	100	—	ALCSG7S
ALCBABM75	45.0	60.0	54.0	70.0	M75 x 20	100.0	110.5	145	121	20	2.5	250	150	—	ALCSG8S
ALCBABM90S	45.0	60.0	54.0	70.0	M90 x 20	100.0	110.5	145	121	20	3.2	250	150	—	ALCSG8S
ALCBABM90	60.0	72.0	63.0	80.0	M90 x 20	115.0	127.0	174	148	20	3.2	320	210	—	ALCSG9S

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). See product and website for fitting instructions. # All dimensions in mm unless otherwise specified.

3.4 HAZARDOUS METAL CABLE GLANDS FOR ARMoured CABLE - GROUP II,III

3.4.2 HAZARDOUS AREA WEATHERPROOF GLANDS - ARMoured CABLE - ALCO - TYPE 2 - SINGLE SEAL



Applications	For indoor and outdoor use
Function	Provides seal on cable sheath and bedding, clamps SWA
Approvals	
Protection Types[^]	Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db, IP66/68 (50m)
Certificate No	IECEx CES 14.0024X
Standards	IEC/AS/NZS 60079 (.0, .1, .7, .31) IEC60259
Range	ALCBAB2M16L-ALCBAB2M63*
Material	Brass, Nickel Plated
Locknut	ALCPLN16-ALCPLN63
Earth Tag	ALCET16- ALCET63
Seal	Neoprene/Silicon on request
Temperature Range	-40°C to +80°C/-60°C to +100°C

* Range also available in brass, nickel plated with NPT thread and in Stainless Steel with Metric or NPT thread (lead time and MOQ applies).

[^] Painted light blue, suitable for Exi.

Refer to Section 7.2, 7.4 and 7.7 for cable details

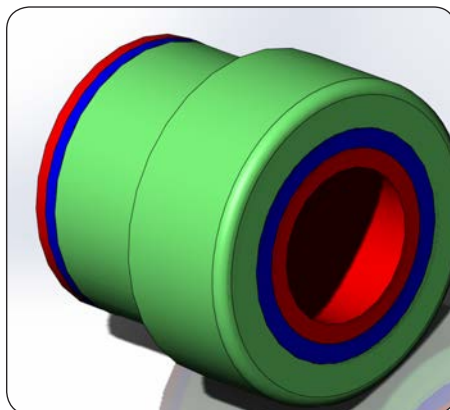
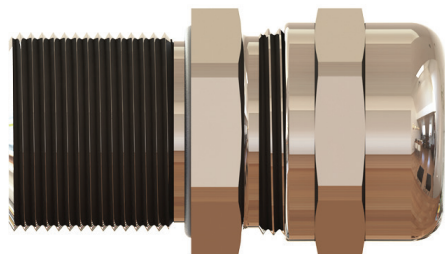
SPECIFICATIONS:

PART NUMBER	CABLE SEALING RANGE (MM)				THREAD DIAMETER x LENGTH	GLAND DIAMETER		GLAND LENGTH		EXPOSED LENGTH SWA REQUIRED	ARMOUR SIZE RANGE	TORQUE		ORANGE SHROUD*	
	BEDDING		OVERALL			ACROSS FLATS	ACROSS POINTS	UNCOMPRESSED	COMPRESSED			BODY AND SLEEVE	SEALING NUT	PVC	SILICON
	MIN	MAX	MIN	MAX											
ALCBAB2M16L	6	11	8	15	M16 x 16	25	27	77.5	60.5	10	0,7 - 1.3	35	25	ALCSG2	ALCSG2S
ALCBAB2M20	6	11	8	15	M20 x 16	25	27	77.5	60.5	10	0,7 - 1.3	35	25	ALCSG2	ALCSG2S
ALCBAB2M20L	10	15.5	13.5	21	M20 x 16	30	33	80	63	10	0,5 - 1.3	45	35	–	ALCSG2LS
ALCBAB2M25S	6	11	8	15	M25 x 16	30	33	77.5	60.5	10	0,7 - 1.3	35	25	–	ALCSG2LS
ALCBAB2M25	10	15.5	13.5	21	M25 x 16	30	33	80	63	10	0,5 - 1.3	45	35	–	ALCSG2LS
ALCBAB2M25L	13.5	20.5	18	27	M25 x 16	40	44.5	96.5	74	12	0,5- 1.6	55	30	–	ALCSG3L
ALCBAB2M32	13.5	21	18	27	M32 x 16	40	44.5	96.5	74	12	0,5- 1.6	55	30	–	ALCSG3L
ALCBAB2M32L	18	27	23	33	M32 x 16	43	47	99	74	12	0,5 - 1.6	75	55	–	ALCSG3L
ALCBAB2M40	23	33	29	40	M40 x 16	50	55.5	111	80	12	0,5-2,1	85	65	ALCSG4	ALCSG4S
ALCBAB2M50	29	41	35	48	M50 x 16	58	64	119.5	87.5	12	0,5- 2.1	95	75	ALCSG5	ALCSG5S
ALCBAB2M63	35	48	42	56	M63 x 20	75	83	152	110	18	0,5 - 3.1	105	85	ALCSG6	ALCSG6S

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). See product and website for fitting instructions. # All dimensions in mm unless otherwise specified.

3.5 HAZARDOUS METAL CABLE GLANDS FOR SHIELDED CABLE - GROUP II,III

3.5 EMC HAZARDOUS AREA WEATHERPROOF GLAND - SHIELDED CABLE - ALCO - TRIPLE SEAL



Note: Triple seal. Remove components as required to obtain correct size.

Applications	For indoor and outdoor use
Function	Provides seal on cable sheath and electrical continuity between cable and gland (not suitable for use as an earth)
Approvals	
Protection Types[^]	Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db, IP66/68 (50m)
Certificate No	IECEX IMQ 14.0007X
Standards	IEC/AS/NZS 60079 (.0, .1, .7, .31) IEC60259
Range	ALCBEBM16S-ALCBEBM50
Material	Brass, Nickel Plated
Locknut	ALCPLN16-ALCPLN50
Earth Tag	ALCET16-ALCET50
Seal	Neoprene/Silicon on request
Temperature Range	-40°C to +80°C/-60°C to +80°C

* Range also available in brass, nickel plated with NPT thread and in Stainless Steel with Metric or NPT thread (lead time and MOQ applies).

[^] Painted light blue, suitable for Exi.

Refer to Section 7.5 and 7.8 for cable details

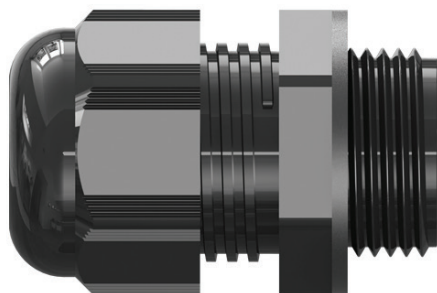
SPECIFICATIONS:

PART NUMBER	CABLE SEALING RANGE (MM)									THREAD DIAMETER x LENGTH	GLAND DIAMETER		GLAND LENGTH		MINIMUM OVER SCREEN DIAMETER	MAXIMUM OVER SCREEN DIAMETER	EXPOSED LENGTH SCREEN BEDDING REQUIRED	EXPOSED LENGTH SCREEN REQUIRED	ORANGE SHROUD*	
	SEALS - 1+2+3			SEALS - 1+2			SEALS - 1 ONLY				ACROSS FLATS	ACROSS POINTS	UNCOMPRESSED	COMPRESSED					PVC	SILICON
	MIN	MAX	TORQUE	MIN	MAX	TORQUE	MIN	MAX	TORQUE											
ALCBEBM16S	—	—	—	4.0	6.0	25	6.0	8.0	18	M16 x 16	20.0	22.0	44.5	38.5	2.0	5.0	19	12	ALCSG1	ALCSG1S
ALCBEBM16	—	—	—	4.0	6.0	18	6.0	8.0	15	M16 x 16	22.0	24.5	46.5	41.0	2.0	6.0	19	12	ALCSG1	ALCSG1S
ALCBEBM20	4.0	6.0	20	6.0	9.0	18	9.0	12.0	15	M20 x 18	22.0	24.5	44.5	39.0	2.0	10.0	17	14	ALCSG1	ALCSG1S
ALCBEBM25	10.0	12.0	25	12.0	14.5	22	14.5	18.0	18	M25 x 16	28.0	31.0	46.0	39.5	8.0	14.0	20	16	ALCSG2	ALCSG2S
ALCBEBM32	14.0	17.0	25	17.0	20.0	20	20.0	24.0	18	M32 x 19	35.0	39.0	52.0	45.0	12.0	20.0	21	19	—	ALCSG2L
ALCBEBM40	22.0	24.0	56	24.0	27.0	50	27.0	32.0	45	M40 x 20	45.0	49.5	61.0	52.0	18.0	28.0	24	20	ALCSG4	ALCSG4S
ALCBEBM50	26.0	28.0	57	28.0	31.0	55	31.0	35.0	52	M50 x 20	55.0	61.0	63.5	54.5	22.0	31.0	25	20	ALCSG5	ALCSG5S

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). See product and website for fitting instructions. # All dimensions in mm unless otherwise specified.

3.6 HAZARDOUS NYLON CABLE GLANDS - GROUP II, III

3.6 HAZARDOUS NYLON CABLE GLANDS - ALCO



Applications	For indoor and outdoor use
Function	Provides seal on cable sheath
Approvals	
Protection Types[^]	Ex e IIC Gb, Ex tb IIIC Db, IP66/68
Certificate No	IECEX IMQ 13.0003X
Standards	IEC60079 (.0, .7, .31) IEC60259
Range	ALCBIMBUPM12-ALCBIMBUPM63*
Material	Polyamide (PA6)
Locknut	Supplied as standard
Seal	Neoprene
Temperature Range	-20°C to +80°C

* Available with NPT or PG threads (lead time and MOQ applies). [^] Painted light blue, suitable for Exi.

Refer to Section 7.1, 7.3 and 7.6 for cable details

SPECIFICATIONS:

PART NUMBER	CABLE SEALING RANGE (MM)		THREAD DIAMETER x LENGTH	GLAND DIAMETER		GLAND LENGTH		TORQUE (NM)		ORANGE SHROUD*	
	MIN	MAX		ACROSS FLATS	ACROSS POINTS	UNCOMPRESSED	COMPRESSED	BODY	SEALING NUT	PVC	SILICON
ALCBIMBUPM12	3.0	6.5	M12 x 8	15	16.9	22.9	18.9	2.0	2.0	—	ALCSG0S
ALCBIMBUPM12L	3.0	6.5	M12 x 15	15	16.9	22.9	18.9	2.0	2.0	—	ALCSG0S
ALCBIMBUPM16	4.5	10	M16 x 10	19	21.9	26.4	21.5	2.5	2.5	—	ALCSG0S
ALCBIMBUPM16L	4.5	10	M16 x 15	19	21.9	26.4	21.5	2.5	2.5	ALCSG1	ALCSG0S
ALCBIMBUPM20S	6.0	12	M20 x 10	24	27.0	29.8	23.1	5.0	3.5	ALCSG1	ALCSG1S
ALCBIMBUPM20	10	14	M20 x 10	27	30.9	27.4	24.4	5.5	5.5	ALCSG2	ALCSG2S
ALCBIMBUPM20L	10	14	M20 x 15	27	30.9	27.4	24.4	5.5	5.5	ALCSG2	ALCSG2S
ALCBIMBUPM25S	11	17	M25 x 8	29	32.5	36.5	27.0	5.0	3.5	ALCSG2	ALCSG2S
ALCBIMBUPM25	13	18	M25 x 10	33	38.0	37.8	28.8	8.0	3.5	—	ALCSG2LS
ALCBIMBUPM25L	13	18	M25 x 15	33	38.0	37.8	28.8	8.0	3.5	—	ALCSG2LS
ALCBIMBUPM32S	15	21	M32 x 10	36	41.0	42.5	32	6.0	5.0	ALCSG3	ALCSG3S
ALCBIMBUPM32	18	25	M32 x 15	42	47.3	41.8	33	9.0	5.0	—	ALCSG3L
ALCBIMBUPM40S	19	28	M40 x 10	46	52.4	47.5	36.5	5.0	5.0	ALCSG4	ALCSG4S
ALCBIMBUPM40	22	32	M40 x 18	53	60.0	51.9	40.9	17.5	5.0	ALCSG5	ALCSG5S
ALCBIMBUPM50	30	38	M50 x 18	60	67.8	53.5	40.9	22.0	8.0	—	ALCSG5S
ALCBIMBUPM63	34	44	M63 x 18	65	72.9	52.9	42.9	23.0	12.0	ALCSG6	ALCSG6S

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: To comply with Ex approvals, the washer supplied must be installed on mounting thread. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). See product and website for fitting instructions. # All dimensions in mm unless otherwise specified.

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With over 20 years' experience, Alco has developed an extensive range of lugs that conform to the unique Australian standards. Our in-house engineering capability's means we have extensive knowledge, not just of the products themselves but also of the application of the range. To complement our lugs and links range, we have a wide variety of tools to meet your crimping needs.

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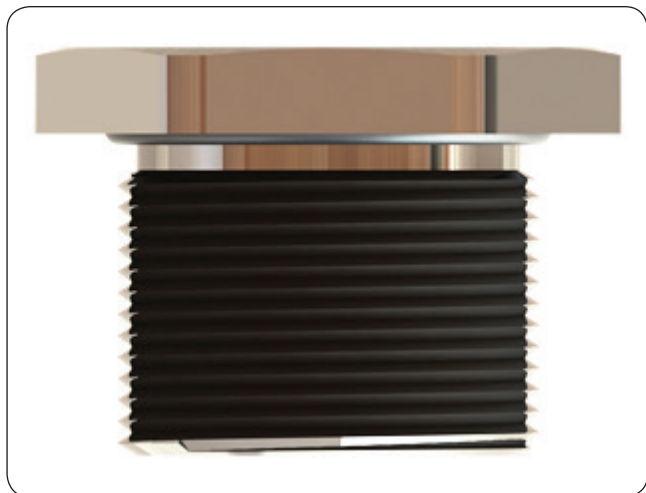
SECTION 4

CABLE GLAND ACCESSORIES



4.1 ADAPTORS & PLUGS FOR HAZARDOUS AREAS - GROUP II, III

4.1.1 REDUCERS - ALCO



Applications	For indoor or outdoor use
Function	Reduces enclosure mounting thread to suit fitting/gland
Approvals	
Protection Types	Ex d IIC Gb, Ex e IIC Gb, Ex t IIC Db, IP 66/68
Certificate No	IEC Ex CES 13.0022X
Standards	IEC 60079 (.0, .1, .7, .34) IEC 60259
Range	M16M12-M90M75
Material	Brass, Nickel Plated*
Seal	Neoprene
Temperature Range	-40°C to +100°C

* Available in stainless steel.

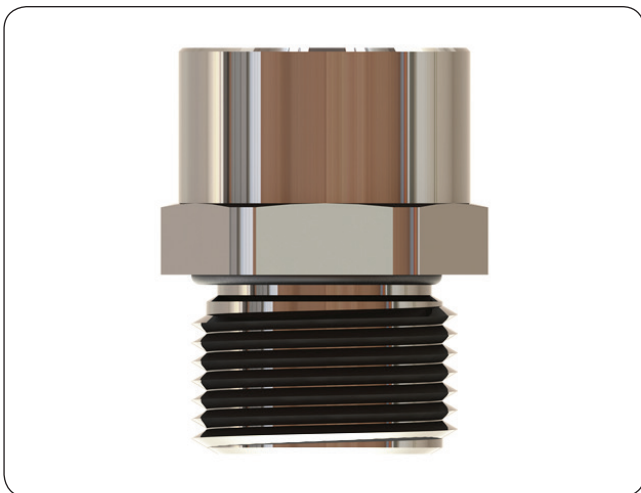
SPECIFICATIONS:

PART NUMBER	THREAD DIAMETER x LENGTH	INTERNAL THREAD DIAMETER x LENGTH	REDUCER DIAMETER		LENGTH	TORQUE - NM
			ACROSS FLATS	ACROSS POINTS		
ALCBIMBRBM16M12	M16 x 15	M12 x 19	22	24	19	4
ALCBIMBRBM20M12	M20 x 15	M12 x 19	25	27.5	19	5.5
ALCBIMBRBM20M16	M20 x 15	M16 x 19	25	27.5	19	5.5
ALCBIMBRBM25M16	M25 x 15	M16 x 19	30	33	19	6
ALCBIMBRBM25M20	M25 x 15	M20 x 19	30	33	19	6
ALCBIMBRBM32M20	M32 x 15	M20 x 19	36	39.5	19	6
ALCBIMBRBM32M25	M32 x 15	M25 x 19	36	39.5	19	6
ALCBIMBRBM40M25	M40 x 18	M25 x 22	45	50	22	12
ALCBIMBRBM40M32	M40 x 18	M32 x 22	45	50	22	12
ALCBIMBRBM50M32	M50 x 18	M32 x 23	55	61	23	18
ALCBIMBRBM50M40	M50 x 18	M40 x 23	55	61	23	18
ALCBIMBRBM63M40	M63 x 18	M40 x 23	70	77	23	25
ALCBIMBRBM63M50	M63 x 18	M50 x 23	70	77	23	25
ALCBIMBRBM75M50	M75 x 18	M50 x 24	85	94	24	30
ALCBIMBRBM75M63	M75 x 18	M63 x 24	85	94	24	30
ALCBIMBRBM90M63	M90 x 21	M63 x 29	100	111	29	35
ALCBIMBRBM90M75	M90 x 21	M75 x 29	100	111	29	35

All dimensions in mm unless otherwise specified. Note: metric threads 1.5mm pitch, unless otherwise specified.

4.1 ADAPTORS & PLUGS FOR HAZARDOUS AREAS - GROUP II,III

4.1.2 ENLARGERS - ALCO



Applications	For indoor or outdoor use
Function	Increases enclosure mounting thread to suit fitting/gland
Approvals	
Protection types	Ex d IIC Gb, Ex e IIC Gb, Ex t IIIC Db, IP 66/68
Certificate No	IEC Ex CES 13.0022X
Standards	IEC 60079 (.0, .1, .7, .31) IEC 60529
Range	M12M16-M75M90
Material	Brass, Nickel Plated*
Seal	Neoprene
Temperature Range	-40°C to +100°C

* Available in stainless steel.

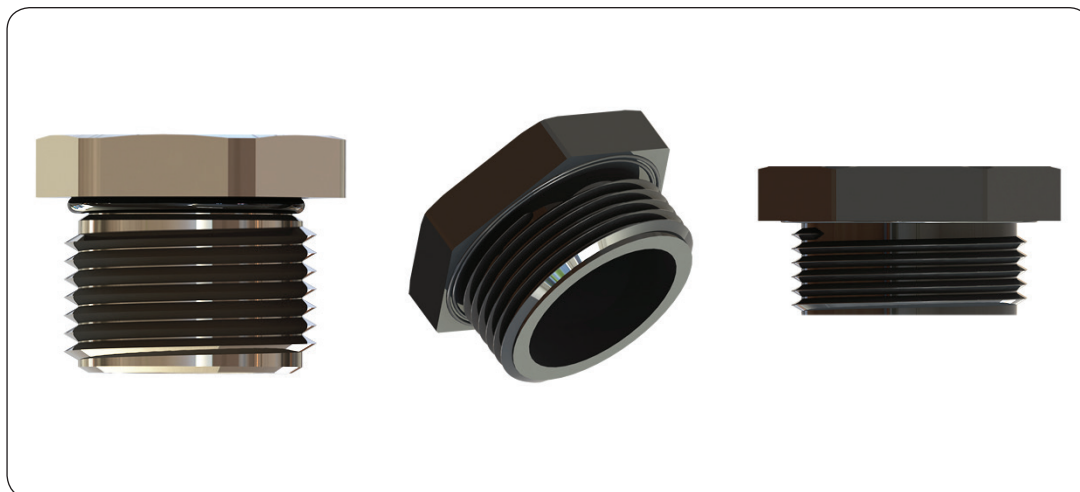
SPECIFICATIONS:

PART NUMBER	THREAD DIAMETER x LENGTH	INTERNAL THREAD DIAMETER x LENGTH	GLAND DIAMETER		LENGTH	TORQUE (NM)
			ACROSS FLATS	ACROSS POINTS		
ALCBIMBZBM12M16	M12 x 15	M16 x 15	22	24	33.5	—
ALCBIMBZBM12M20	M12 x 15	M20 x 15	22	24	34	—
ALCBIMBZBM16M20	M16 x 15	M20 x 15	25	27.5	34	4
ALCBIMBZBM16M25	M16 x 15	M25 x 15	30	33	34	4
ALCBIMBZBM20M25	M20 x 15	M25 x 15	30	33	34	5.5
ALCBIMBZBM20M32	M20 x 15	M32 x 15	36	39.5	34	5.5
ALCBIMBZBM25M32	M25 x 15	M32 x 15	36	39.5	34	6
ALCBIMBZBM25M40	M25 x 15	M40 x 18	45	50	37	6
ALCBIMBZBM32M40	M32 x 15	M40 x 18	45	50	37	6
ALCBIMBZBM32M50	M32 x 15	M50 x 18	55	61	37	6
ALCBIMBZBM40M50	M40 x 18	M50 x 18	55	61	40	12
ALCBIMBZBM50M63	M50 x 18	M63 x 18	68	75	40.5	18
ALCBIMBZBM63M75	M63 x 18	M75 x 18	80	88.5	40.5	25
ALCBIMBZBM75M90	M75 x 18	M90 x 21	95	105	43.5	30

Also available in NPT versions (lead time and MOQ applies). # All dimensions in mm unless otherwise specified. Note: metric threads 1.5mm pitch, unless otherwise specified.

4.1 ADAPTORS & PLUGS FOR HAZARDOUS AREAS - GROUP II, III

4.1.3 PLUGS - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on enclosure for unused entries
Approvals	
Protection types	IP66/68
Certificate No	IEC Ex IMG 13.0003X/ IEC Ex CES 13.0022X
Standards	IEC 60079 (.0, .1, .7, .34) IP66/68, IEC 61241.1.1
Range	M12-M63**
Material	Nylon (PA6)/Brass, Nickel Plated***
Seal	Neoprene
Temperature Range	−40°C to +80°C/−40°C to +100°C

* Can be used for exi applications when painted light blue. ** Available in NPT thread.

*** Available in stainless steel.

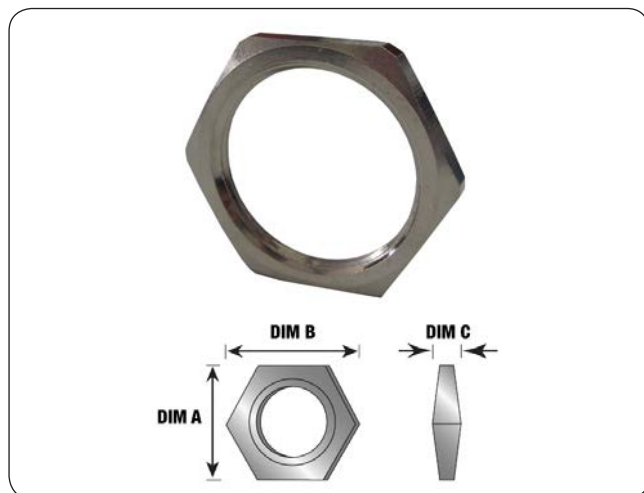
SPECIFICATIONS:

PART NUMBER	MATERIAL	THREAD DIAMETER x LENGTH	DIAMETER		PLUG LENGTH	TORQUE (NM)
			ACROSS FLATS	ACROSS POINTS		
ALCBIMBPPM12	PA6	M12 x 14	15	16.5	15	1.5
ALCBIMBPPM16	PA6	M16 x 14	19	21	15	1.5
ALCBIMBPPM20	PA6	M20 x 14	23	25.4	17	2.0
ALCBIMBPPM25	PA6	M25 x 14	28	31	16	2.5
ALCBIMBPPM32	PA6	M32 x 14	36	39.6	23	4.0
ALCBIMBPPM40	PA6	M40 x 16	46	50.5	26.5	6.0
ALCBIMBPPM50	PA6	M50 x 16	55	61.0	27.5	8.0
ALCBIMBPPM63	PA6	M63 x 16	69	76	27.5	10
ALCBIMBPPM12	Brass, Nickel plated	M12 x 15.5	17	18.9	21	N/A
ALCBIMBPPM16	Brass, Nickel plated	M16 x 15.5	22	24	21	4 ±0,5
ALCBIMBPPM20	Brass, Nickel plated	M20 x 15.5	25	27.5	21	5,5 ±0,5
ALCBIMBPPM25	Brass, Nickel plated	M25 x 15.5	30	33	21	6 ±1
ALCBIMBPPM32	Brass, Nickel plated	M32 x 15.5	37	41	21	6 ±1
ALCBIMBPPM40	Brass, Nickel plated	M40 x 17.5	45	50	23	12 ±1,5
ALCBIMBPPM50	Brass, Nickel plated	M50 x 17.5	55	61	23	18 ±2
ALCBIMBPPM63	Brass, Nickel plated	M63 x 17.5	70	77	23	25 ±2,5

All dimensions in mm unless otherwise specified. Note: metric threads 1.5mm pitch, unless otherwise specified.

4.2 LOCKNUTS FOR CABLE GLANDS

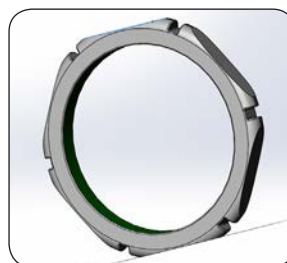
4.2 METAL LOCKNUTS - ALCO



FEATURES:

- Ideal for fastening cable glands
- Made from nickel plated brass
- Suitable for all Alco cable glands

ALCPLN82 Only



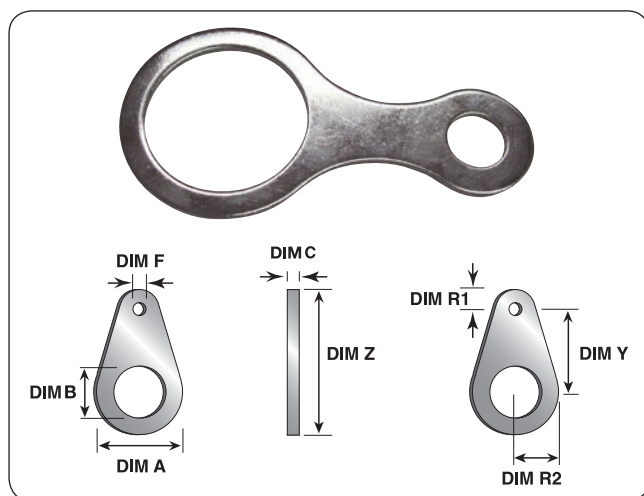
SPECIFICATIONS:

PART NUMBER	THREAD DIAMETER x LENGTH	DIAMETER		WIDTH DIM 'C'	SLOT DIM		BOX QTY
		ACROSS FLATS DIM 'A'	ACROSS POINTS DIM 'B'		HEIGHT	WIDTH	
ALCPLN12	M12 x 1.5	14.4	22	4.0	—	—	30
ALCPLN16	M16 x 1.5	19.2	24	4.0	—	—	30
ALCPLN20	M20 x 1.5	24.0	30	4.0	—	—	25
ALCPLN25	M25 x 1.5	30.0	37	5.0	—	—	25
ALCPLN32	M32 x 1.5	38.4	45	5.0	—	—	25
ALCPLN40	M40 x 1.5	48.0	55	8.0	—	—	15
ALCPLN50	M50 x 1.5	60.0	65	8.0	—	—	10
ALCPLN63	M63 x 1.5	75.6	83	8.0	—	—	5
ALCPLN75	M75 x 1.5	90.0	110	9.5	—	—	1
ALCPLN82	M82 x 1.5	95	103	10.0	4	4	1
ALCPLN90	M90 x 1.5	108.0	124	9.5	—	—	1
ALCPLN105	M105 x 1.5	126.0	144	9.5	—	—	1
ALCPLN120	M120 x 1.5	144.0	165	9.5	—	—	1

*NPT and PG threads available upon request, lead times apply. # All dimensions in mm unless otherwise specified.

4.3 EARTH TAGS FOR CABLE GLANDS

4.3 METAL EARTH TAGS - ALCO



FEATURES:

- Functions as a means of connection around the cable gland
- Guarantees earth continuity between the electrical apparatus and the cable gland
- Made from nickel plated brass
- ET82 supplied with 20° bend at neck

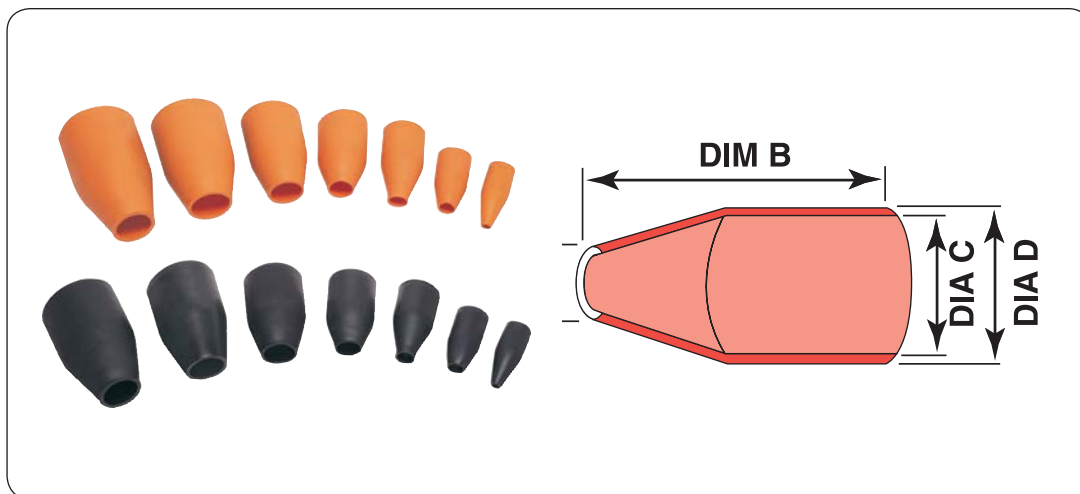
SPECIFICATIONS:

PART NUMBER	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'F'	DIM 'Z'	DIM 'Y'	DIM 'R1'	DIM 'R2'	BOX QTY
ALCET12	28.86	12.45	1.8	7.0	55	30.0	10	11.25	15
ALCET16	28.86	16.48	1.8	7.0	55	30.0	10	14.43	15
ALCET20	28.86	20.40	1.8	7.0	55	30.0	10	14.43	15
ALCET25	37.55	25.50	1.8	10.5	69	41.3	12	18.78	15
ALCET32	43.30	32.64	1.8	12.0	85	51.0	12	21.65	15
ALCET40	54.85	40.80	1.8	13.5	100	54.0	20	27.43	1
ALCET50	66.40	51.25	2.0	13.5	120	62.0	20	33.20	1
ALCET63	80.83	63.95	2.0	13.5	141	84.0	20	40.42	1
ALCET75	103.93	76.13	2.0	13.5	172	100.0	20	51.97	1
ALCET82*	110.00	83.00	2.0	13.5	180	105.0	20	55.00	1
ALCET90	127.02	91.35	2.0	13.5	190	102.0	25	63.51	1
ALCET105	138.60	106.58	2.0	13.5	205	110.0	25	69.30	1
ALCET120	161.65	121.80	2.0	13.5	235	131.0	25	80.83	1

All dimensions in mm unless otherwise specified. *ALCET82 supplied with 20° bend about neck.

4.4 CABLE GLAND SHROUDS

4.4.1 PVC SHROUDS - ALCO



FEATURES:

- Assist in providing additional protection to cable glands to improve IP rating
- Act as an extra guard against corrosion and the weather
- Suitable for use with all types of polymeric jacketed cable
- Compatible with all Alco cable gland ranges

TECHNICAL DATA:

Tensile Strength	12MPa
Relative Density	1.3g/cm ³
Shore A Hardness	73 ± 2 units
Extensibility	3.7 x
Volume Resistivity	2 x 10 ¹³ ohm cm
Temperature Range	0°C to +75°C

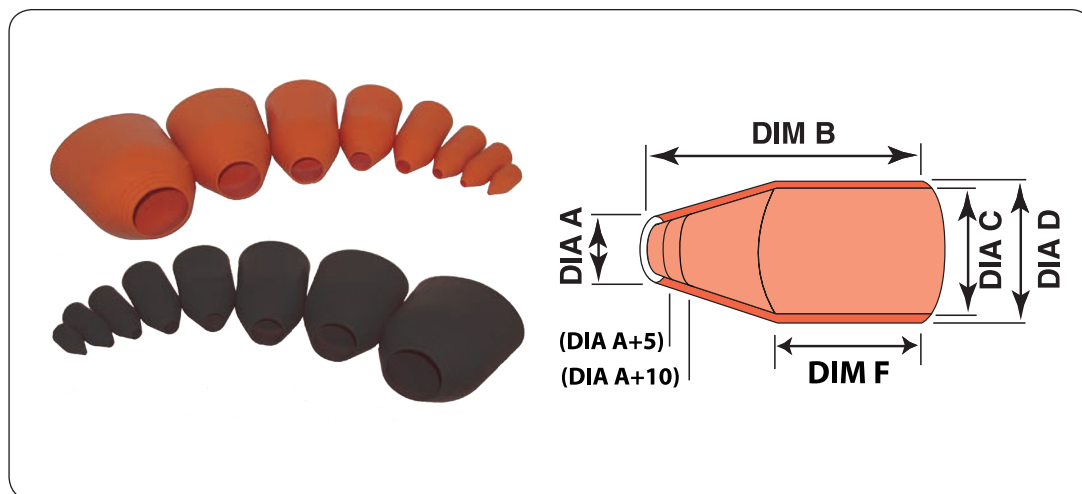
SPECIFICATIONS:

PART NUMBER	CABLE DIAMETER (DIA A)	OVERALL LENGTH (DIM B)	INSIDE DIAMETER (DIA C)	OUTSIDE DIAMETER (DIA D)	BOX QTY	COLOUR*
ALCSG1	6	69	25	27	50	Orange
ALCSG2	10	76	29	32	40	Orange
ALCSG2L	12	87	35	38	30	Orange
ALCSG3	14	96	40	43	20	Orange
ALCSG4	20	108	51	54	20	Orange
ALCSG5	29	115	62	65	5	Orange
ALCSG6	38	126	75	78	5	Orange

*For black shrouds add B to part number. e.g. ALCSG2B. # All dimensions in mm unless otherwise specified.

4.4 CABLE GLAND SHROUDS

4.4.2 SILICON SHROUDS - ALCO



FEATURES:

- Assist in providing additional protection to cable glands to improve IP rating
- Act as an extra guard against corrosion and the weather
- End of the shroud can be cut with a knife to the required size
- Halogen free (low smoke and corrosive acid gas emission)
- UV resistant
- Oil and chemical resistant
- Easier to install on glands and have better impact absorption
- ROHS compliant (lead, mercury, cadmium and chromium free)
- Compatible with all Alco cable gland ranges
- Suitable for use with all types of polymeric jacketed cable

TECHNICAL DATA:

Tensile Strength	10MPa
Tear Strength	13.5MPa
Extensibility	4 x
Halogen Content	Zero
ROHS Compliance	Complies (SGS report CANEC0801667602)
Smoke Emissions	Low
Temperature Range	-20°C to +260°C

SPECIFICATIONS:

PART NUMBER	CABLE DIAMETER (DIA A)	OVERALL LENGTH (DIM B)	PARRALLEL LENGTH (DIM F)	OUTSIDE DIAMETER (DIA D)	INSIDE DIAMETER (DIA C)	BOX QTY	COLOUR*
ALCSG0S	2	44	20	22	20	50	Orange
ALCSG1S	6	69	43	27	25	50	Orange
ALCSG2S	10	76	50	31	29	40	Orange
ALCSG2LS	12	87	55	38	35	30	Orange
ALCSG3S	14	96	60	42	40	20	Orange
ALCSG3L	18	100	65	47	44	20	Orange
ALCSG4S	20	108	65	53	51	20	Orange
ALCSG5S	29	115	70	65	62	5	Orange
ALCSG6S	38	126	75	78	75	5	Orange
ALCSG6L	42	127	80	85	81	5	Orange
ALCSG7S	48	135	85	95	91	4	Orange
ALCSG8S	62	140	90	109	104	1	Orange
ALCSG9S	62	170	110	120	114	1	Orange

*For black shrouds add B to part number. e.g. ALCSG3SB. # All dimensions in mm unless otherwise specified.

4.5 PRESSURE SPRINGS

4.5 PRESSURE SPRINGS - CELLPACK



CELLPACK
Electrical Products

FEATURES:

- Pressure springs are non-current carrying parts
- Used with Alco ALCUW range cable glands
- Excellent mechanical stability
- Ensures constant radial pressure
- Also used for cast resin, heatshrink and medium voltage joints
- Corrosion resistant
- Made from special stainless steel
- Copper in colour

FUNCTION:

- Pressure springs are non-current carrying parts
- Provides a solder free electrical connection between metal cable elements and earthing devices

SPECIFICATIONS:

PART NUMBER	CABLE DIAMETER		WIDTH
	MIN	MAX	
ALC126PS0	6.0	10.0	16
ALC126PS0.5	9.0	14.0	16
ALC126PS1	13.0	22.0	16
ALC126PS2	17.0	28.0	16
ALC126PS3	24.0	37.0	16
ALC126PS4	33.0	49.0	16
ALC126PS5	44.0	70.0	20
ALC126PS6	55.0	92.0	20

All dimensions in mm unless otherwise specified.

4.6 EPOXY RESIN FOR HAZARDOUS CABLE GLANDS

4.6 INSULPUTTY/EPOXY RESIN FOR HAZARDOUS CABLE GLANDS



FEATURES:

- Two part epoxy with yellow inner curing agent and white outer base material
- Ready mixable by kneading by hand or spatula
- Excellent mechanical and electrical characteristics
- Mix putty in two to five minutes
- Remains workable for approximately 45 minutes (at 23°C, workable life reduces as temp rises)
- Cures within one hour
- Cured material can be sanded and drilled

APPLICATIONS:

- Ideal for filling and sealing
- Bonds to most common cable insulating materials, metals and ceramics
- Approved for use with Alco barrier cable glands in hazardous areas
- Has the consistency of modelling clay, allowing it to be moulded and forced into cavities without any mess or spills

FUNCTION:

- Provides sealing where there are uneven contours
- Repairs rigid plastics and threaded holes
- Also suitable for hole filling and bonding

TECHNICAL DATA:

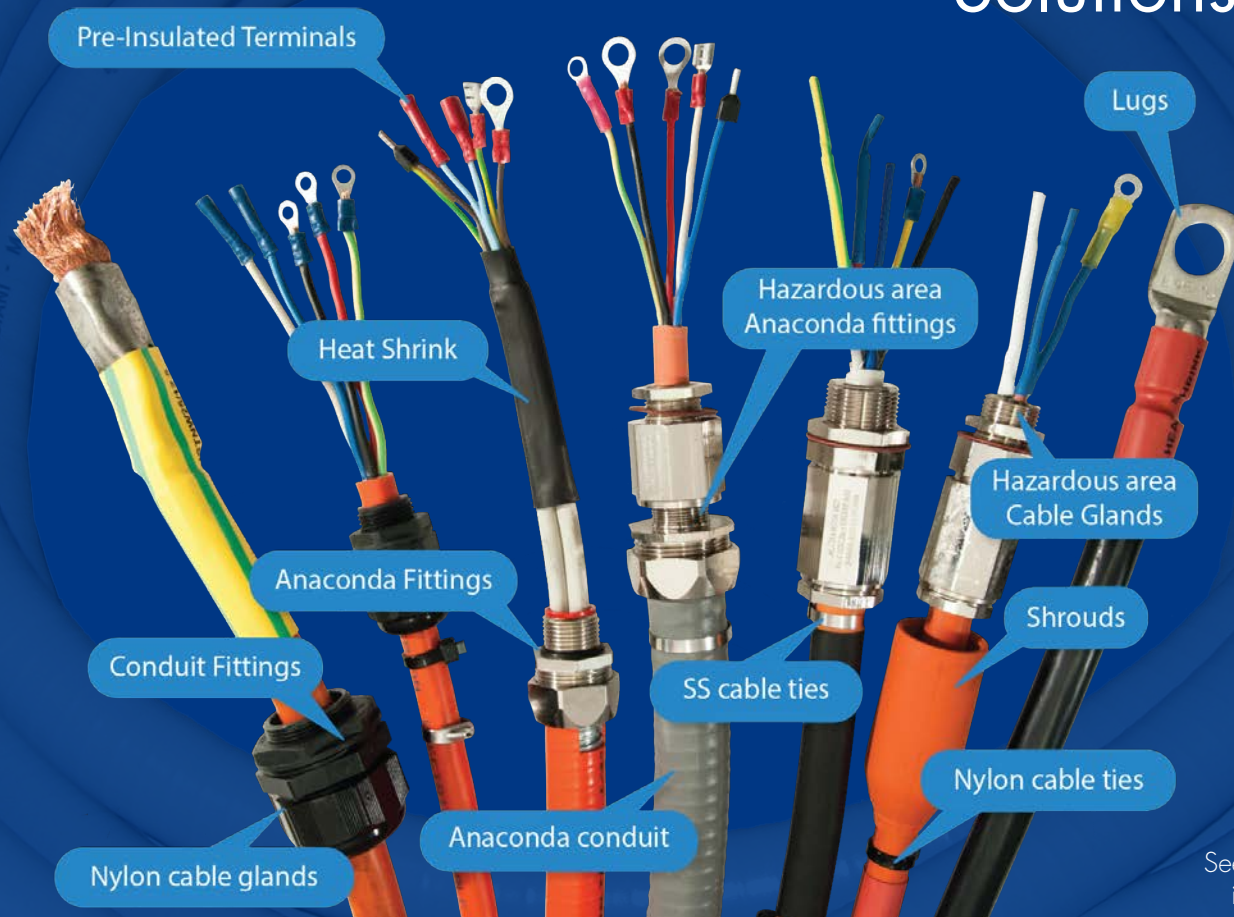
Storage	Store in a cool, dry place
Electrical Resistance	30,000MΩ (ASTM D 149)
Dielectric Strength	300v/mm at 6.4mm (ASTM D 149)
Shrinking During Cure	<1%

SPECIFICATIONS:

PART NUMBER	SUITS
ALCIP38	HAW20LR-B to HAW32B-B (1 unit)
ALCIP125	HAW40A-B to HAW50B-B (1 unit), HAW75A-B to HAW75B-B (2 units)
ALCIP180	HAW63A-B to HAW63B-B (1 unit), HAW90A-B to HAW90 B-B (2 units)



Complete Electrical Cable Accessory Solutions



See Book 2: Cable Related Products for more information on the rest of the Alco Range

SECTION 5

CONDUIT AND ACCESSORIES



5.1 ANACONDA FLEXIBLE METAL CONDUIT

5.1.1 HCB TYPE CONDUIT - ANACONDA



Applications	Provides cable protection in harsh environments
Function	Provides dust and liquid tight protection of cables
Features	Constructed of continuously interlocked hot dipped zinc galvanised steel core for exceptional crush and corrosion resistance Durable sunlight resistance thermoplastic PVC jacket that resists heat, oil and chemical breakdown Uses standard liquid-tight fittings for easy installation Smooth appearing cover for exposed applications with convenient markings in feet Provides waterproof flexible duct for electric cables
Approvals	IP67 rating when installed with approved connectors
Temperature Range	-46°C to +105°C

TECHNICAL DATA:

CLASSIFICATION	VALUE	DESCRIPTION
Compression resistance	4	Heavy (1250 N)
Impact resistance	4	Heavy (6J)
Minimum temperature	5+	-51°C
Maximum temperature	3	+105°C
Bending resistance	4	Flexible
Electrical properties	3	With continuity and insulating characteristics
Resistance to ingress of solid Foreign objects (I)	6	Protected against dust (dustproof)
Resistance to ingress of water (P)	7	Watertight (1 metre deep, 30 min.)
Corrosion resistance Inside/outside	3	Medium/High
Tensile Strength	4	Heavy (1000 N)
Resistance to flame propagation	1	Non-flame propagating
Suspended load capacity	0	None declared

*For extended classification info see page 78

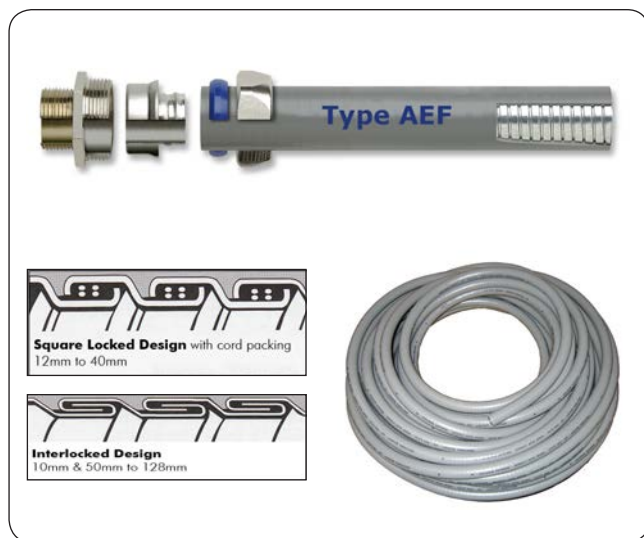
SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE		INSIDE DIAMETER (mm)	OUTSIDE DIAMETER (mm)	APPROX INSIDE BEND DIA (mm)	WEIGHT (KG/PER ROLL)	THREAD SIZE (mm)	LENGTH (M)	SUITABLE FITTING PART NUMBER		
	mm	INCHES							STRAIGHT	45°	90°
HCB38-BLK-30	16	3/8	12.3	17.5	50.8	9.5	16	30	C16/M16	C16/M16/45A	C16/M16/90A
HCB12-BLK-30	20	1/2	15.7	20.8	60.5	11.3	20	30	C20/M20	C20/M20/45A	C20/M20/90A
HCB34-BLK-30	25	3/4	20.7	26.2	76.2	17.7	25	30	C25/M25	C25/M25/45A	C25/M25/90A
HCB100-BLK-30	32	1	26.2	32.8	101.6	23.1	32	30	C32/M32	C32/M32/45A	C32/M32/90A
HCB114-BLK-15	40	1 1/4	34.8	41.5	228.6	15.0	40	15	C40/M40	C40/M40/45A	C40/M40/90A
HCB112-BLK-15	50	1 1/2	40.0	47.4	279.4	23.6	50	15	C50/M50	C50/M50/45A	C50/M50/90A

Note: Larger sizes of conduit available upon request, however lead times apply. Spare grounding cones and seals also available e.g. CT/M20 for 20mm grounding cone and CTS/M20 for 20mm seal. # All dimensions in mm unless otherwise specified.

5.1 ANACONDA FLEXIBLE METAL CONDUIT

5.1.2 AEF TYPE CONDUIT - ANACONDA



Applications	Provides cable protection in harsh environments
Function	Provides dust and liquid tight protection of cables
Features	Extra flexible all-purpose wiring conduit with galvanised steel core Durable, sunlight resistant, grey thermoplastic PVC cover Uses standard liquid-tight fittings for easy installation Smooth appearing cover for exposed applications with convenient markings in feet No copper ground wire
Approvals	IP67 rating when installed with approved connectors
Temperature Range	-15°C to +60°C

TECHNICAL DATA:

CLASSIFICATION	VALUE	DESCRIPTION
Compression resistance	4	Heavy (1250 N)
Impact resistance	4	Heavy (6J)
Minimum temperature	3	-15°C
Maximum temperature	1	+60°C
Bending resistance	4	Flexible
Electrical properties	3	With continuity and insulating characteristics
Resistance to ingress of solid Foreign objects (I)	6	Protected against dust (dustproof)
Resistance to ingress of water (P)	7	Watertight (1 metre deep, 30 min.)
Corrosion resistance Inside/outside	3	Medium/High
Tensile Strength	4	Heavy (1000 N)
Resistance to flame propagation	1	Non-flame propagating
Suspended load capacity	0	None declared

*For extended classification info see page 78

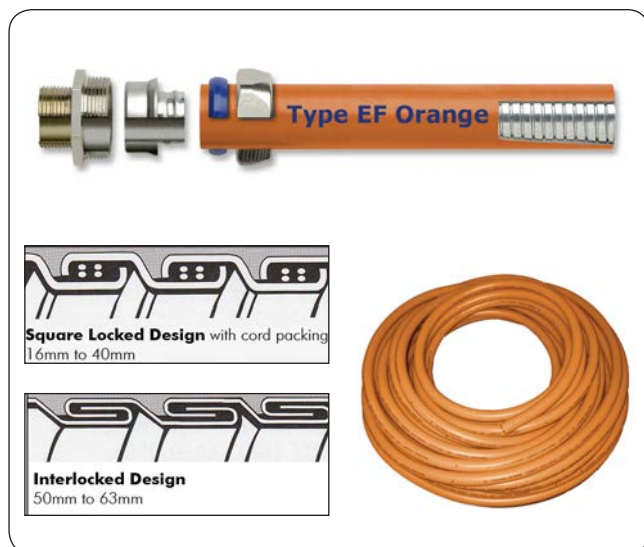
SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE		INSIDE DIAMETER (mm)	OUTSIDE DIAMETER (mm)	APPROX INSIDE BEND DIA (mm)	WEIGHT (KG/30M)	THREAD SIZE (mm)	LENGTH (M)	SUITABLE FITTING PART NUMBER		
	mm	INCHES							STRAIGHT	45°	90°
AEF14-15	10	¼	6.2	11.3	43.2	6.3	10	15	N/A	N/A	N/A
AEF16-15	12	5/16	9.9	14.2	50.8	6.8	12	15	N/A	N/A	N/A
AEF38-15	16	3/8	12.3	17.5	50.8	9.5	16	15	C16/M16 C16/M20	C16/M16/45A C16/M20/45A	C16/M16/90A C16/M20/90A
AEF38-30	16	3/8	12.3	17.5	50.8	9.5	16	30	C16/M16 C16/M20	C16/M16/45A C16/M20/45A	C16/M16/90A C16/M20/90A
AEF12-15	20	½	15.7	20.8	63.5	11.3	20	15	C20/M20	C20/M20/45A	C20/M20/90A
AEF12-30	20	½	15.7	20.8	63.5	11.3	20	30	C20/M20	C20/M20/45A	C20/M20/90A
AEF34-15	25	¾	20.7	26.2	76.2	17.7	25	15	C25/M25	C25/M25/45A	C25/M25/90A
AEF34-30	25	¾	20.7	26.2	76.2	17.7	25	30	C25/M25	C25/M25/45A	C25/M25/90A
AEF100-15	32	1	26.2	32.8	101.6	23.1	32	15	C32/M32	C32/M32/45A	C32/M32/90A
AEF100-30	32	1	26.2	32.8	101.6	23.1	32	30	C32/M32	C32/M32/45A	C32/M32/90A
AEF114-15	40	1¼	34.7	41.5	114.3	29.9	40	15	C40/M40	C40/M40/45A	C40/M40/90A
AEF112-15	50	1½	40.0	47.4	139.7	47.2	50	15	C50/M50	C50/M50/45A	C50/M50/90A
AEF200-15	63	2	51.3	59.5	177.8	61.7	63	15	C63/M63	C63/M63/45A	C63/M63/90A
AEF300	95	3	77.9	87.9	381.0	115.7	95	7.62	B21013000	N21013000	L21013000
AEF400	128	4	101.6	113.3	431.8	164.2	128	7.62	B21014000	N21014000	L21014000

Note: Larger sizes of conduit available upon request, however lead times apply. Spare grounding cones and seals also available e.g. CT/M20 for 20mm grounding cone and CTS/M20 for 20mm seal. # All dimensions in mm unless otherwise specified.

5.1 ANACONDA FLEXIBLE METAL CONDUIT

5.1.3 EF TYPE CONDUIT - ANACONDA



FEATURES:

Applications	Provides cable protection in harsh environments
Function	Provides dust and liquid tight protection of cables
Features	Extra flexible general construction grade wiring conduit with galvanised steel core Durable, sunlight resistant, orange thermoplastic PVC cover Uses standard liquid-tight fittings for easy installation Smooth appearing cover for exposed applications with convenient markings in feet No copper ground wire
Approvals	IP67 rating when installed with approved connectors
Temperature Range	-20°C to +60°C

TECHNICAL DATA:

CLASSIFICATION	VALUE	DESCRIPTION
Compression resistance	4	Heavy (1250 N)
Impact resistance	4	Heavy (6J)
Minimum temperature	3	-20 °C
Maximum temperature	1	+60°C
Bending resistance	4	Flexible
Electrical properties	3	With continuity and insulating characteristics
Resistance to ingress of solid foreign objects (I)	6	Protected against dust (dustproof)
Resistance to ingress of water (P)	7	Watertight (1 metre deep, 30 min.)
Corrosion resistance inside/outside	3	Medium / High
Tensile Strength	4	Heavy (1000 N)
Resistance to flame propagation	1	Non-flame propagating
Suspended load capacity	0	None declared

*For extended classification info see page 78

SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE		INSIDE DIAMETER (mm)	OUTSIDE DIAMETER (mm)	APPROX INSIDE BEND DIA (mm)	WEIGHT (KG/30M)	THREAD SIZE (mm)	LENGTH (M)	SUITABLE FITTING PART NUMBER		
	(mm)	INCHES							STRAIGHT	45°	90°
EF38-ORG-15	16	3/8	12.3	17.5	50.8	9.5	16	15	C16/M16 C16/M20	C16/M16/45A C16/M20/45A	C16/M16/90A C16/M20/90A
EF38-ORG-30	16	3/8	12.3	17.5	50.8	9.5	16	30	C16/M16 C16/M20	C16/M16/45A C16/M20/45A	C16/M16/90A C16/M20/90A
EF12-ORG-15	20	½	15.7	20.8	63.5	11.3	20	15	C20/M20	C20/M20/45A	C20/M20/90A
EF12-ORG-30	20	½	15.7	20.8	63.5	11.3	20	30	C20/M20	C20/M20/45A	C20/M20/90A
EF34-ORG-15	25	3/4	20.7	26.2	76.2	17.7	25	15	C25/M25	C25/M25/45A	C25/M25/90A
EF34-ORG-30	25	3/4	20.7	26.2	76.2	17.7	25	30	C25/M25	C25/M25/45A	C25/M25/90A
EF100-ORG-15	32	1	26.2	32.8	101.6	23.1	32	15	C32/M32	C32/M32/45A	C32/M32/90A
EF100-ORG-30	32	1	26.2	32.8	101.6	23.1	32	30	C32/M32	C32/M32/45A	C32/M32/90A
EF114-ORG-15	40	1¼	34.8	41.5	114.3	29.9	40	15	C40/M40	C40/M40/45A	C40/M40/90A
EF112-ORG-15	50	1½	40.0	47.4	139.7	47.2	50	15	C50/M50	C50/M50/45A	C50/M50/90A
EF200-ORG-15	63	2	51.5	59.5	177.8	61.7	63	15	C63/M63	C63/M63/45A	C63/M63/90A

Spare grounding cones and seals also available e.g. CT/M20 for 20mm grounding cone and CTS/M20 for 20mm seal.

5.1 ANACONDA FLEXIBLE METAL CONDUIT

5.1.4 AOR TYPE CONDUIT - ANACONDA



FEATURES:

Applications	Provides cable protection in oil rich environments
Function	Provides heavy duty and oil resistant protection of cables
Features	Continuously interlocked galvanised steel core with cord packing Durable, sunlight resistant, black thermoplastic PVC cover Uses standard liquid-tight fittings for easy installation Thermoplastic PVC cover highly resistant to petroleum and most synthetic oils Smooth appearing cover for exposed applications with convenient markings in feet No copper ground wire
Approvals	IP67 rating when installed with approved connectors
Temperature Range	-15°C to +105°C

TECHNICAL DATA:

CLASSIFICATION	VALUE	DESCRIPTION
Compression resistance	4	Heavy (1250 N)
Impact resistance	4	Heavy (6J)
Minimum temperature	3	-15°C
Maximum temperature	2+	+105°C
Bending resistance	4	Flexible
Electrical properties	3	With continuity and insulating characteristics
Resistance to ingress of solid foreign objects (I)	6	Protected against dust (dustproof)
Resistance to ingress of water (P)	7	Watertight (1 metre deep, 30 min.)
Corrosion resistance inside/outside	3	Medium/High
Tensile strength	4	Heavy (1000 N)
Resistance to flame propagation	1	Non-flame propagating
Suspended load capacity	0	None declared

*For extended classification info see page 78

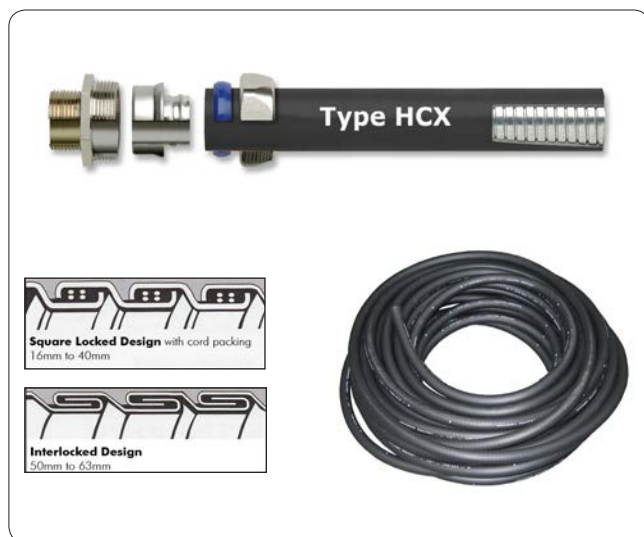
SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE		INSIDE DIAMETER (mm)	OUTSIDE DIAMETER (mm)	APPROX INSIDE BEND DIA (mm)	WEIGHT (KG/30M)	THREAD SIZE (mm)	LENGTH (M)	SUITABLE FITTING PART NUMBER		
	mm	INCHES							STRAIGHT	45°	90°
AOR38-15	16	3/8	12.0	17.5	50.8	9.5	16	15	C16/M16 C16/M20	C16/M16/45A C16/M20/45A	C16/M16/90A C16/M20/90A
AOR38-30	16	3/8	12.0	17.5	50.8	9.5	16	30	C16/M16 C16/M20	C16/M16/45A C16/M20/45A	C16/M16/90A C16/M20/90A
AOR12-15	20	½	16.0	20.8	63.5	11.3	20	15	C20/M20	C20/M20/45A	C20/M20/90A
AOR12-30	20	½	16.0	20.8	63.5	11.3	20	30	C20/M20	C20/M20/45A	C20/M20/90A
AOR34-15	25	3/4	21.0	26.2	76.2	17.7	25	15	C25/M25	C25/M25/45A	C25/M25/90A
AOR34-30	25	3/4	21.0	26.2	76.2	17.7	25	30	C25/M25	C25/M25/45A	C25/M25/90A
AOR100-15	32	1	26.0	32.8	101.6	23.1	32	15	C32/M32	C32/M32/45A	C32/M32/90A
AOR100-30	32	1	26.0	32.8	101.6	23.1	32	30	C32/M32	C32/M32/45A	C32/M32/90A
AOR114-15	40	1¼	35.0	41.5	114.3	29.9	40	15	C40/M40	C40/M40/45A	C40/M40/90A
AOR112-15	50	1½	40.0	47.4	139.7	47.2	50	15	C50/M50	C50/M50/45A	C50/M50/90A
AOR200-15	63	2	51.5	59.5	177.8	61.7	63	15	C63/M63	C63/M63/45A	C63/M63/90A
AOR300	95	3	78.0	87.9	381.0	115.6	95	7.62	B21013000	N21013000	L21013000
AOR400	128	4	102.0	113.3	431.8	164.2	128	7.62	B21014000	N21014000	L21014000

Spare grounding cones and seals also available e.g. CT/M20 for 20mm grounding cone and CTS/M20 for 20mm seal.

5.1 ANACONDA FLEXIBLE METAL CONDUIT

5.1.5 HCX TYPE CONDUIT - ANACONDA



FEATURES:

Applications	Provides cable protection in extreme temperatures, indoors and outdoors
Function	Provides heavy duty dust and liquid tight protection of cables
Features	Continuously interlocked galvanised steel core with cord packing for crush resistance and corrosion protection[#] Durable, sunlight resistant, black thermoplastic rubber cover Uses standard liquid-tight fittings for easy installation Delivers superior wiring protection where harsh environments and extreme temperatures apply Thermoplastic rubber cover contains no chlorides Smooth appearing cover for exposed applications with convenient markings in feet No copper ground wire
Approvals	IP67 rating when installed with approved connectors
Temperature Range	Dynamic installations rated for continuous operation -60°C to +150°C Static installations at atmospheric pressure rated for continuous operation -60°C to +105°C

TECHNICAL DATA:

CLASSIFICATION	VALUE	DESCRIPTION
Compression resistance	4	Heavy (1250 N)
Impact resistance	4	Heavy (6J)
Minimum temperature	5+	-76°C
Maximum temperature	5+	+150°C
Bending resistance	4	Flexible
Electrical properties	3	With continuity and insulating characteristics
Resistance to ingress of solid foreign objects (I)	6	Protected against dust (dustproof)
Resistance to ingress of water (P)	7	Watertight (1 metre deep, 30 min.)
Corrosion resistance inside/outside	3	Medium/High
Tensile Strength	4	Heavy (1000 N)
Resistance to flame propagation	1	Non-flame propagating
Suspended load capacity	0	None declared

*For extended classification info see page 78

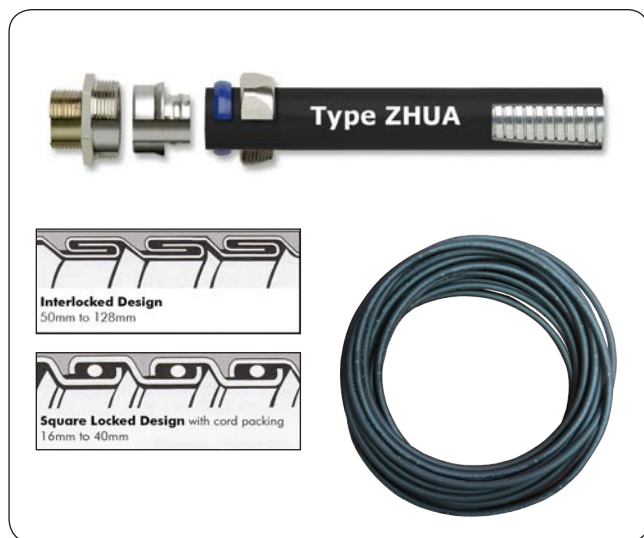
SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE		INSIDE DIAMETER (mm)	OUTSIDE DIAMETER (mm)	APPROX INSIDE BEND DIA (mm)	WEIGHT (KG/30m)	THREAD SIZE (mm)	LENGTH (m)	SUITABLE FITTING PART NUMBER		
	mm	INCHES							STRAIGHT	45°	90°
HCX38-30	16	3/8	12.0	17.5	50.8	9.5	16	30	C16/M16 C16/M20	C16/M16/45A C16/M20/45A	C16/M16/90A C16/M20/90A
HCX12-15	20	1/2	16.0	20.8	63.5	11.3	20	15	C20/M20	C20/M20/45A	C20/M20/90A
HCX12-30	20	1/2	16.0	20.8	63.5	11.3	20	30	C20/M20	C20/M20/45A	C20/M20/90A
HCX34-30	25	3/4	21.0	26.2	76.2	17.7	25	30	C25/M25	C25/M25/45A	C25/M25/90A
HCX100-30	32	1	26.0	32.8	101.6	23.1	32	30	C32/M32	C32/M32/45A	C32/M32/90A
HCX114-15	40	1 1/4	35.0	41.5	114.3	29.9	40	15	C40/M40	C40/M40/45A	C40/M40/90A
HCX112-15	50	1 1/2	40.0	47.4	139.7	47.2	50	15	C50/M50	C50/M50/45A	C50/M50/90A
HCX200-15	63	2	51.5	59.5	177.8	61.7	63	15	C63/M63	C63/M63/45A	C63/M63/90A

Note: Larger sizes of conduit available upon request, however lead times apply. # Cord packing only available for 16-40mm sized conduit. Spare grounding cones and seals also available e.g. CT/M20 for 20mm grounding cone and CTS/M20 for 20mm seal

5.1 ANACONDA FLEXIBLE METAL CONDUIT

5.1.6 ZHUA TYPE CONDUIT - ANACONDA



FEATURES:

Applications	Provides cable protection for restricted or self-contained ventilation areas
Function	Dust and liquid tight protection where zero halogen, low smoke conduit is required
Features	Constructed of continuously interlocked hot dipped zinc galvanized steel core for exceptional crush and corrosion resistance Durable, sunlight resistant, flame retardant, LOW SMOKE and ZERO HALOGEN TPU jacket that resists heat, oil and chemical breakdown Designed for most extreme temperature applications Meets the demands of today's higher temperature rated conductors Approved for both exposed and concealed locations Approved for direct burial
Approvals	IP67 rating when installed with approved connectors Complies with UL Standard 360 File No. E18917
Temperature Range	-40°C to +80°C

TECHNICAL DATA:

CLASSIFICATION	VALUE	DESCRIPTION
Compression resistance	4	Heavy (1250 N)
Impact resistance	4	Heavy (6J)
Minimum temperature	4+	-40°C
Maximum temperature	1+	+80°C
Bending resistance	4	Flexible
Electrical properties	3	With continuity and insulating characteristics
Resistance to ingress of solid foreign objects (I)	6	Protected against dust (dustproof)
Resistance to ingress of water (P)	7	Watertight (1 metre deep, 30 min.)
Corrosion resistance inside/outside	3	Medium/High
Tensile strength	4	Heavy (1000 N)
Resistance to flame propagation	1	Non-flame propagating
Suspended load capacity	0	None declared

*For extended classification info see page 78

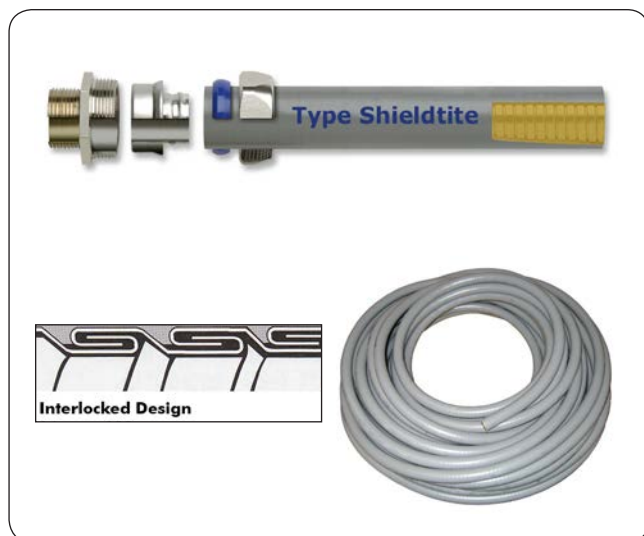
SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE		INSIDE DIAMETER (mm)	OUTSIDE DIAMETER (mm)	APPROX INSIDE BEND DIA (mm)	WEIGHT (KG/30M)	THREAD SIZE (mm)	LENGTH (M)	SUITABLE FITTING PART NUMBER		
	mm	INCHES							STRAIGHT	45°	90°
ZHUA38-30	16	3/8	12.3	17.5	76.2	11.3	16	30	C16/M16 C16/M20	C16/M16/45A C16/M20/45A	C16/M16/90A C16/M20/90A
ZHUA12-30	20	1/2	15.8	20.9	88.9	13.2	20	30	C20/M20	C20/M20/45A	C20/M20/90A
ZHUA34-30	25	3/4	20.8	26.2	127.0	20.0	25	30	C25/M25	C25/M25/45A	C25/M25/90A
ZHUA100-30	32	1	26.4	32.8	152.4	33.1	32	30	C32/M32	C32/M32/45A	C32/M32/90A
ZHUA114-15	40	1 1/4	35.1	41.4	177.8	45.4	40	15	C40/M40	C40/M40/45A	C40/M40/90A
ZHUA112-15	50	1 1/2	40.0	47.4	139.7	50.8	50	15	C50/M50	C50/M50/45A	C50/M50/90A
ZHUA200-15	63	2	51.3	59.4	177.8	67.1	63	15	C63/M63	C63/M63/45A	C63/M63/90A

Spare grounding cones and seals also available e.g. CT/M20 for 20mm grounding cone and CTS/M20 for 20mm seal.

5.1 ANACONDA FLEXIBLE METAL CONDUIT

5.1.7 SHEILDITITE TYPE CONDUIT - ANACONDA



FEATURES:

Applications	Provides cable protection for high level shielding
Function	Provides protection from dust, liquid, mechanical and EMC shielding
Features	Extra flexible wiring conduit with special bronze core Constructed of continuously interlocked high shielding bronze core for exceptional shielding effectiveness Durable, abrasion resistant, flame retardant and sunlight resistant smooth grey thermoplastic PVC cover Uses standard liquid-tight fittings for easy installation Thermoplastic PVC cover highly resistant to sunlight, heat, oil and chemical degradation Smooth appearing cover for exposed applications with convenient markings in feet Special bronze core provides high-level shielding protection No copper ground wire
Approvals	Meets Mil-STD-1310D for EMI and EMP shielding Provides shielding effectiveness of 81 – 119Db at 1 Megahertz to 1 Gigahertz IP67 rating when installed with approved connectors
Temperature Range	–45°C to +105°C

TECHNICAL DATA:

CLASSIFICATION	VALUE	DESCRIPTION
Compression resistance	4	Heavy (1250N)
Impact resistance	4	Heavy (6J)
Minimum temperature	5	–45°C
Maximum temperature	3	+105°C
Bending resistance	4	Flexible
Electrical properties	3	With continuity and insulating characteristics
Resistance to ingress of solid foreign objects (I)	6	Protected against dust (dustproof)
Resistance to ingress of water (P)	7	Watertight (1 metre deep, 30 min.)
Corrosion resistance inside/outside	3	Medium / High
Tensile strength	4	Heavy (1000 N)
Resistance to flame propagation	1	Non-flame propagating
Suspended load capacity	0	None declared

*For extended classification info see page 78

SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE		INSIDE DIAMETER (mm)	OUTSIDE DIAMETER (mm)	APPROX INSIDE BEND DIA (mm)	WEIGHT (KG/30M)	THREAD SIZE (mm)	LENGTH (M)	SUITABLE FITTING PART NUMBER		
	mm	INCHES							STRAIGHT	45°	90°
ANAEMC38	16	3/8	12.0	17.5	76.2	9.5	16	30	C16/M16 C16/M20	C16/M16/45A C16/M20/45A	C16/M16/90A C16/M20/90A
ANAEMC12	20	½	16.0	20.8	76.2	11.3	20	30	C20/M20	C20/M20/45A	C20/M20/90A
ANAEMC34	25	3/4	21.0	26.2	101.6	17.7	25	30	C25/M25	C25/M25/45A	C25/M25/90A
ANAEMC100	32	1	26.0	32.8	101.6	23.1	32	30	C32/M32	C32/M32/45A	C32/M32/90A
ANAEMC114	40	1¼	35.0	41.5	114.3	29.9	40	15	C40/M40	C40/M40/45A	C40/M40/90A
ANAEMC112	50	1½	40.0	47.4	177.8	47.2	50	15	C50/M50	C50/M50/45A	C50/M50/90A
ANAEMC200	63	2	51.5	59.5	241.3	61.7	63	15	C63/M63	C63/M63/45A	C63/M63/90A
ANAEMC300	95	3	78.0	87.9	342.9	115.6	95	7.62	B21013000	N21013000	L21013000
ANAEMC400	128	4	102.0	113.3	431.8	164.2	128	7.62	B21014000	N21014000	L21014000

Spare grounding cones and seals also available eg CT/M20 for 20mm grounding cone and CTS/M20 for 20mm seal Note: Lead times apply for this range

5.2 METAL CONDUIT FITTINGS

5.2.1 FLEXIBLE METAL CONDUIT FITTINGS (IP66/68) TO SUIT ANACONDA CONDUIT- WATTMASTER



FEATURES:

Applications	For indoor or outdoor wet corrosive environments	
Function	Provides dust and liquid-tight connection to liquid-tight flexible metal conduit	
Material		
Body and cap	Brass, Nickel Plated	SS Grade 316
Ferrule	Tin Plated Steel	Tin Plated Steel
Inner seal	Polyamide 6	Polyamide 6
Throat insulator	Polyamide 6	Polyamide 6
Nut	Brass, Nickel Plated	SS Grade 316
Temperature Range	-45°C to +105°C	-45°C to +105°C

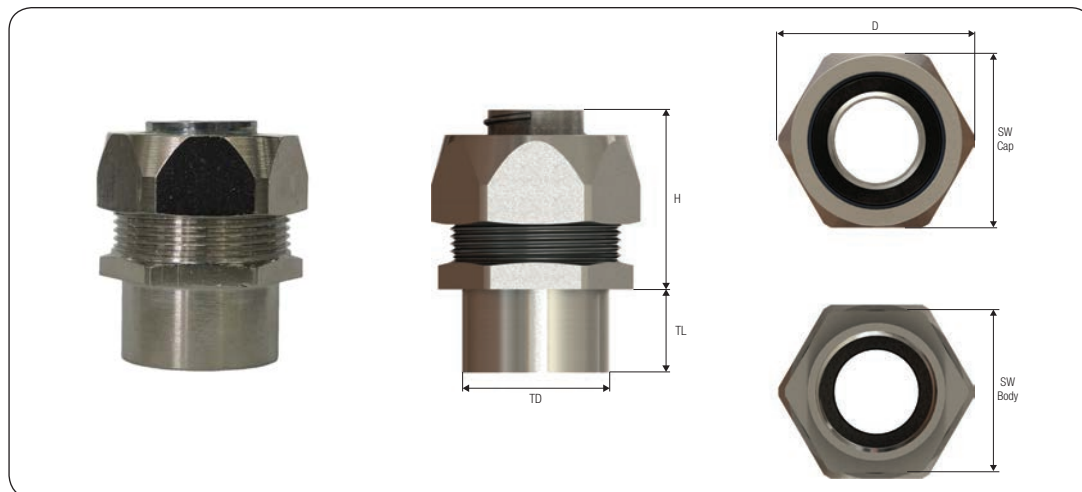
SPECIFICATIONS:

PART NO	CONDUIT SIZE		THREAD SIZE (mm)	MAX INTERNAL DIAMETER (mm)	BODY STYLE	DIAMETER ACROSS NUT		BOX QTY	SUITABLE CONDUIT						
	mm	INCHES				FLATS (mm)	POINTS (mm)		TYPE HCB	TYPE AEF	TYPE EF ORANGE	TYPE AOR	TYPE HCX	TYPE ZHUA	TYPE SHIELDTITE
C16/M16	16	3/8	16	10.2	straight	26	29	10	HCB38-BLK	AEF38	EF38-ORG	AOR38	HCX38	ZHUA38	ANAEMC38
C16/M16-SS	16	3/8	16	10.2	straight	26	29	10	HCB38-BLK	AEF38	EF38-ORG	AOR38	HCX38	ZHUA38	ANAEMC38
C16/M16/45A	16	3/8	16	10.2	45 degrees	26	29	10	HCB38-BLK	AEF38	EF38-ORG	AOR38	HCX38	ZHUA38	ANAEMC38
C16/M16/90A	16	3/8	16	10.2	90 degrees	26	29	10	HCB38-BLK	AEF38	EF38-ORG	AOR38	HCX38	ZHUA38	ANAEMC38
C16/M20	16	3/8	20	10.2	straight	26	29	10	HCB38-BLK	AEF38	EF38-ORG	AOR38	HCX38	ZHUA38	ANAEMC38
C16/M20/45A	16	3/8	20	10.2	45 degrees	26	29	10	HCB38-BLK	AEF38	EF38-ORG	AOR38	HCX38	ZHUA38	ANAEMC38
C16/M20/90A	16	3/8	20	10.2	90 degrees	26	29	10	HCB38-BLK	AEF38	EF38-ORG	AOR38	HCX38	ZHUA38	ANAEMC38
C20/M20	20	1/2	20	13.5	straight	29	32.7	10	HCB12-BLK	AEF12	EF12-ORG	AOR12	HCX12	ZHUA12	ANAEMC12
C20/M20-SS	20	1/2	20	13.5	straight	29	32.7	10	HCB12-BLK	AEF12	EF12-ORG	AOR12	HCX12	ZHUA12	ANAEMC12
C20/M20/45A	20	1/2	20	13.5	45 degrees	29	32.7	10	HCB12-BLK	AEF12	EF12-ORG	AOR12	HCX12	ZHUA12	ANAEMC12
C20/M20/90A	20	1/2	20	13.5	90 degrees	29	32.7	10	HCB12-BLK	AEF12	EF12-ORG	AOR12	HCX12	ZHUA12	ANAEMC12
C25/M25	25	3/4	25	18.5	straight	35	38.6	10	HCB34-BLK	AEF34	EF34-ORG	AOR34	HCX34	ZHUA34	ANAEMC34
C25/M25-SS	25	3/4	25	18.5	straight	35	38.6	10	HCB34-BLK	AEF34	EF34-ORG	AOR34	HCX34	ZHUA34	ANAEMC34
C25/M25/45A	25	3/4	25	18.5	45 degrees	35	38.6	10	HCB34-BLK	AEF34	EF34-ORG	AOR34	HCX34	ZHUA34	ANAEMC34
C25/M25/90A	25	3/4	25	18.5	90 degrees	35	38.6	10	HCB34-BLK	AEF34	EF34-ORG	AOR34	HCX34	ZHUA34	ANAEMC34
C32/M32	32	1	32	23.5	straight	45	50	1	HCB100-BLK	AEF100	EF100-ORG	AOR100	HCX100	ZHUA100	ANAEMC100
C32/M32-SS	32	1	32	23.5	straight	45	50	1	HCB100-BLK	AEF100	EF100-ORG	AOR100	HCX100	ZHUA100	ANAEMC100
C32/M32/45A	32	1	32	23.5	45 degrees	45	50	1	HCB100-BLK	AEF100	EF100-ORG	AOR100	HCX100	ZHUA100	ANAEMC100
C32/M32/90A	32	1	32	23.5	90 degrees	45	50	1	HCB100-BLK	AEF100	EF100-ORG	AOR100	HCX100	ZHUA100	ANAEMC100
C40/M40	40	1 1/4	40	31.8	straight	54	60	1	HCB114-BLK	AEF114	EF114-ORG	AOR114	HCX114	ZHUA114	ANAEMC114
C40/M40-SS	40	1 1/4	40	31.8	straight	54	60	1	HCB114-BLK	AEF114	EF114-ORG	AOR114	HCX114	ZHUA114	ANAEMC114
C40/M40/45A	40	1 1/4	40	31.8	45 degrees	54	60	1	HCB114-BLK	AEF114	EF114-ORG	AOR114	HCX114	ZHUA114	ANAEMC114
C40/M40/90A	40	1 1/4	40	31.8	90 degrees	54	60	1	HCB114-BLK	AEF114	EF114-ORG	AOR114	HCX114	ZHUA114	ANAEMC114
C50/M50	50	1 1/2	50	36.8	straight	63	69.2	1	HCB112-BLK	AEF112	EF112-ORG	AOR112	HCX112	ZHUA112	ANAEMC112
C50/M50-SS	50	1 1/2	50	36.8	straight	63	69.2	1	HCB112-BLK	AEF112	EF112-ORG	AOR112	HCX112	ZHUA112	ANAEMC112
C50/M50/45A	50	1 1/2	50	36.8	45 degrees	63	69.2	1	HCB112-BLK	AEF112	EF112-ORG	AOR112	HCX112	ZHUA112	ANAEMC112
C50/M50/90A	50	1 1/2	50	36.8	90 degrees	63	69.2	1	HCB112-BLK	AEF112	EF112-ORG	AOR112	HCX112	ZHUA112	ANAEMC112
C63/M63	63	2	63	47.8	straight	72	85	1	-	AEF200	EF200-ORG	AOR200	HCX200	ZHUA200	ANAEMC200
C63/M63-SS	63	2	63	47.8	straight	72	85	1	-	AEF200	EF200-ORG	AOR200	HCX200	ZHUA200	ANAEMC200
C63/M63/45A	63	2	63	47.8	45 degrees	72	85	1	-	AEF200	EF200-ORG	AOR200	HCX200	ZHUA200	ANAEMC200
C63/M63/90A	63	2	63	47.8	90 degrees	72	85	1	-	AEF200	EF200-ORG	AOR200	HCX200	ZHUA200	ANAEMC200

*For Non-metallic conduit fittings to suit anaconda conduit see page 60

5.2 METAL CONDUIT FITTINGS

5.2.2 FEMALE CONNECTORS - WATTMASTER



FEATURES:

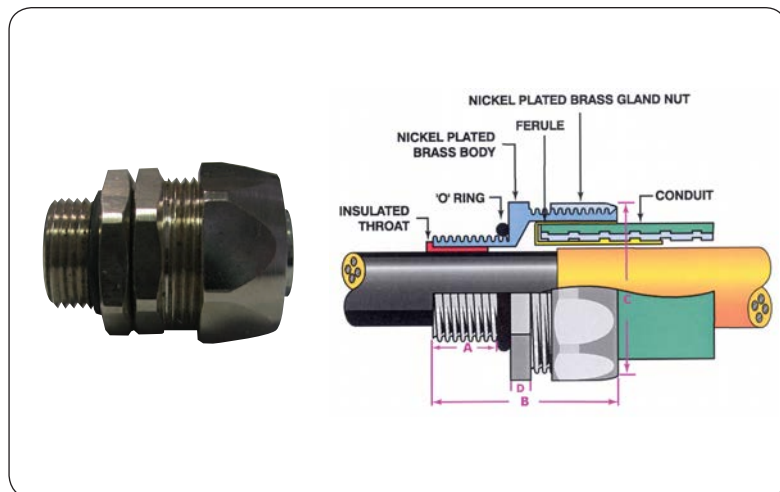
Applications	For indoor or outdoor wet corrosive environments
Function	Provides dust and liquid-tight connection to liquid-tight flexible metal conduit
Material	
Body and cap	Brass, Nickel Plated
Ferrule	16mm–32mm: Steel Zinc Plated 40mm–63mm: Nickel Plated Brass
Inner seal	Polyamide 6 V2
Throat insulator	Polyamide 6 V2
Nut	Brass, Nickel Plated
O-Ring	NBR
Approvals	IP68 – 5 Bar
Temperature Range	–45°C to +105°C

SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE		MAX INTERNAL DIAMETER (mm)	THREAD SIZE (mm)	TOTAL HEIGHT H + TL (mm)	THREAD LENGTH TL (mm)	OUTER DIAMETER D (mm)	SW CAP (mm)	SW BODY (mm)	BOX QTY	SUITABLE CONDUIT						
	mm	INCHES									TYPE HCB	TYPE AEF	TYPE EF ORANGE	TYPE AOR	TYPE HCX	TYPE ZHUA	TYPE SHIELDTITE
C16/M16-FC	16	3/8	10.2	M16 X 1.5	35	11.5	29	26.0	24	50	HCB38-BLK	AEF38	EF38-ORG	AOR38	HCX38	ZHUA38	ANAEMC38
C20/M20-FC	20	½	13.5	M20 X 1.5	37	13	32.7	29.0	27	50	HCB12-BLK	AEF12	EF12-ORG	AOR12	HCX12	ZHUA12	ANAEMC12
C25/M25-FC	25	¾	18.5	M25 X 1.5	40	15	38.7	35.0	33	25	HCB34-BLK	AEF34	EF34-ORG	AOR34	HCX34	ZHUA34	ANAEMC34
C32/M32-FC	32	1	23.5	M32 X 1.5	46.5	15	50	45.0	43	10	HCB100-BLK	AEF100	EF100-ORG	AOR100	HCX100	ZHUA100	ANAEMC100
C40/M40-FC	40	1 ¼	31.8	M40 X 1.5	52	16	60	54.0	52	5	–	AEF114	EF114-ORG	AOR114	HCX114	ZHUA114	ANAEMC114
C50/M50-FC	50	1 ½	36.8	M50 X 1.5	56.5	18	69.3	63.0	60	5	–	AEF112	EF112-ORG	AOR112	HCX112	ZHUA112	ANAEMC112
C63/M63-FC	63	2	47.8	M63 X 1.5	66	20	85	77.0	74	4	–	AEF200	EF200-ORG	AOR200	HCX200	ZHUA200	ANAEMC200

5.2 METAL CONDUIT FITTINGS

5.2.3 SWIVEL TYPE CONDUIT FITTINGS (IP67) TO SUIT ANACONDA CONDUIT - WATTMASTER



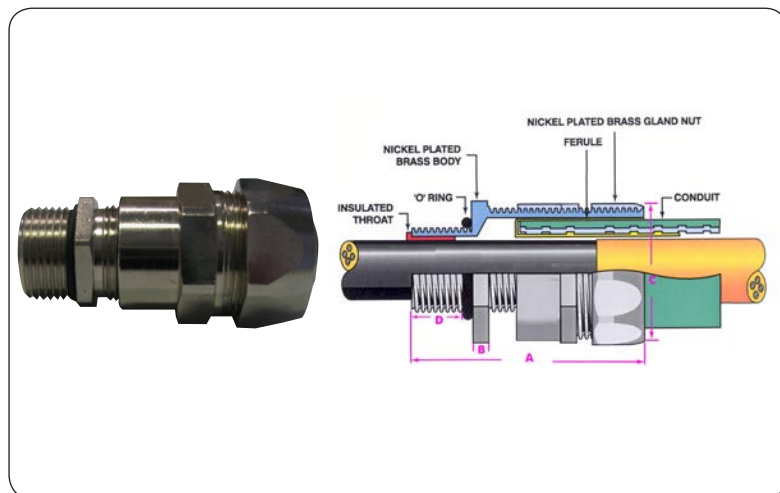
FEATURES:

Applications	For indoor or outdoor corrosive environments
Function	Provides dust and liquid-tight connection to liquid-tight flexible metal conduit
Material	Nickel Plated Brass
Temperature Range	-45°C to +105°C

SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE		MIN INTERNAL DIAMETER (mm)	THREAD SIZE (mm)	DIMENSIONS (mm)				BOX QTY	SUITABLE CONDUIT						
	mm	INCHES			A	B	C	D		TYPE HCB	TYPE AEF	TYPE EF ORANGE	TYPE AOR	TYPE HCX	TYPE ZHUA	TYPE SHIELDTITE
C16/M16-SWI	16	3/8	10.2	M16 x 1.5	39	10	26	24	25	HCB38-BLK	AEF38	EF38-ORG	AOR38	HCX38	ZHUA38	ANAEMC38
C20/M20-SWI	20	1/2	13.9	M20 x 1.5	40	10	29	27	25	HCB12-BLK	AEF12	EF12-ORG	AOR12	HCX12	ZHUA12	ANAEMC12
C25/M25-SWI	25	3/4	18.5	M25 x 1.5	43	10	35	33	25	HCB34-BLK	AEF34	EF34-ORG	AOR34	HCX34	ZHUA34	ANAEMC34
C32/M32-SWI	32	1	23.8	M32 x 1.5	51	12	45	43	10	HCB100-BLK	AEF100	EF100-ORG	AOR100	HCX100	ZHUA100	ANAEMC100

5.2.4 CABLE HOSE FITTINGS (IP67) TO SUIT ANACONDA CONDUIT - WATTMASTER



FEATURES:

Applications	For extreme fluid protection in indoor or outdoor corrosive environments
Function	Provides dust and liquid-tight connection to liquid-tight flexible metal conduit
Material	Nickel Plated Brass
Temperature Range	-45°C to +105°C

SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE		CABLE MIN/MAX (mm)	THREAD SIZE (mm)	DIMENSIONS (mm)				BOX QTY	SUITABLE CONDUIT						
	mm	INCHES			A	B	C	D		TYPE HCB	TYPE AEF	TYPE EF ORANGE	TYPE AOR	TYPE HCX	TYPE ZHUA	TYPE SHIELDTITE
C16/M16-CHF	16	3/8	4.0 - 8.0	M16 x 1.5	57	12	26	24	25	HCB38-BLK	AEF38	EF38-ORG	AOR38	HCX38	ZHUA38	ANAEMC38
C20/M20-CHF	20	1/2	6.0 - 12.0	M20 x 1.5	59	12	29	27	25	HCB12-BLK	AEF12	EF12-ORG	AOR12	HCX12	ZHUA12	ANAEMC12
C25/M25-CHF	25	3/4	10.0 - 14.0	M25 x 1.5	62	12	29	27	25	HCB34-BLK	AEF34	EF34-ORG	AOR34	HCX34	ZHUA34	ANAEMC34
C32/M32-CHF	32	1	13.0 - 18.0	M32 x 1.5	70	15	35	33	10	HCB100-BLK	AEF100	EF100-ORG	AOR100	HCX100	-	ANAEMC100
C40/M40-CHF	40	1 1/4	18.0 - 25.0	M40 x 1.5	85	15	45	43	10	-	AEF114	EF114-ORG	AOR114	HCX114	ZHUA114	ANAEMC114

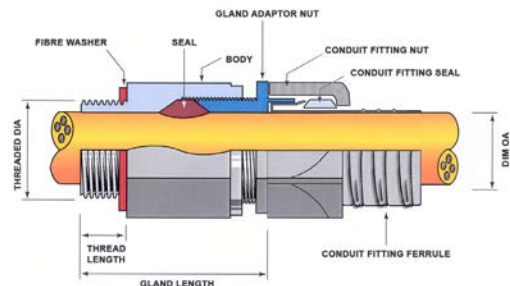
5.2 METAL CONDUIT FITTINGS

5.2.5 HAZARDOUS AREA ADAPTOR NUT FITTINGS (IP66/68) TO SUIT ANACONDA CONDUIT - ALCO



ANACONDA SEALTITE®

To suit Anaconda Conduit



FEATURES:

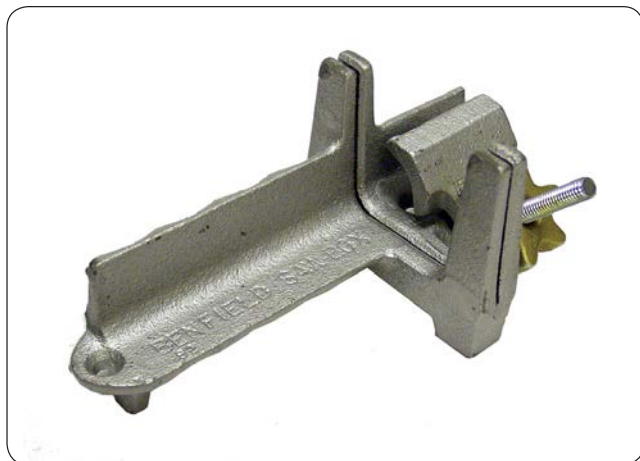
Applications	For indoor or outdoor corrosive environments
Function	Provides seal on cable sheath, adaptor nut for use with liquid metal conduit fitting option
Approvals	CERTIFICATE NO: IEC Ex TSA 13.0002, ANZ Ex 13.0001 Ex db I/IIC Ex eb I/IIC Ex ta I/IIC IEC/AS/NZS 60079 (.0, .1, .7, .31) IP66/68 (30m), IEC 60529, AS 1939-1990
Range	ALCHUW20SB-LTA16-ALCHUW50-LTA63
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	TPE
Temperature Range	-20°C to +80°C

SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE		THREAD SIZE (mm)	BOX QTY	SUITABLE CONDUIT						
	mm	INCHES			TYPE HCB	TYPE AEF	TYPE EF ORANGE	TYPE AOR	TYPE HCX	TYPE ZHUA	TYPE SHIELDTITE
ALCHUW20SB-LTA16	16	3/8	20	1	HCB38-BLK	AEF38	EF38-ORG	AOR38	HCX38	ZHUA38	ANAEMC38
ALCHUW20A-LTA20	20	1/2	20	1	HCB12-BLK	AEF12	EF12-ORG	AOR12	HCX12	ZHUA12	ANAEMC12
ALCHUW20B-LTA25	25	3/4	20	1	HCB34-BLK	AEF34	EF34-ORG	AOR34	HCX34	ZHUA34	ANAEMC34
ALCHUW25-LTA32	32	1	25	1	HCB100-BLK	AEF100	EF100-ORG	AOR100	HCX100	ZHUA100	ANAEMC100
ALCHUW32-LTA40	40	1 1/4	32	1	-	AEF114	EF114-ORG	AOR114	HCX114	ZHUA114	ANAEMC114
ALCHUW40-LTA50	50	1 1/2	40	1	-	AEF112	EF112-ORG	AOR112	HCX112	ZHUA112	ANAEMC112
ALCHUW50-LTA63	63	2	50	1	-	AEF200	EF200-ORG	AOR200	HCX200	ZHUA200	ANAEMC200

5.3 METAL CONDUIT ACCESSORIES

5.3.1 CONDUIT VICE - ANACONDA



PART NUMBER: ANACONDA-VICE

FEATURES:

- Free standing or bench mountable
- Ideal for use with Anaconda flexible metal conduit
- Used to make precision cuts on conduit
- Portable
- Clamp holds conduit in place, wriggle-free
- Cuts up to 63mm (2") OD max conduit

5.3.2 BRASS REDUCERS - ALCO



FEATURES:

- Unplated brass female reducers
- Suitable for use with Anaconda flexible metal conduit
- Ideal for connecting two lengths of consecutive sized conduit together
- Available for 16mm to 50mm conduit
- Not suitable for use in hazardous areas

SPECIFICATIONS:

PART NUMBER	MOUNTING THREAD DIAMETER X PITCH	TOTAL LENGTH	THREAD LENGTH	DIAMETER ACROSS POINTS	BOX QTY
ALCB2016	M20 x 1.5 – M16 x 1.5	21	16	24	10
ALCB2520	M25 x 1.5 – M20 x 1.5	21	16	29	10
ALCB3225	M32 x 1.5 – M25 x 1.5	25	20	36	5
ALCB4032	M40 x 1.5 – M32 x 1.5	25	20	44	5
ALCB5040	M50 x 1.5 – M40 x 1.5	25	20	55	2
ALCB6350	M63 x 1.5 – M50 x 1.5	25	20	67	1

All dimensions in mm unless otherwise specified.

5.3.3 STAINLESS STEEL LOCKNUT - WATTMASTER



FEATURES:

- Ideal for fastening conduit fittings
- Made from Stainless Steel grade 316
- Suitable for Wattmaster range of conduit fittings

SPECIFICATIONS:

PART NUMBER	DESCRIPTION	MATERIAL	MOUNTING THREAD DIAMETER X PITCH	WIDTH	BOX QTY
LN-M16-SS	16mm Locknut	Stainless Steel	M16 X 1.5	19	10
LN-M20-SS	20mm Locknut	Stainless Steel	M20 X 1.5	24	10
LN-M25-SS	25mm Locknut	Stainless Steel	M25 X 1.5	30	10
LN-M32-SS	32mm Locknut	Stainless Steel	M32 X 1.5	36	10
LN-M40-SS	40mm Locknut	Stainless Steel	M40 X 1.5	46	10
LN-M50-SS	50mm Locknut	Stainless Steel	M50 X 1.5	60	10
LN-M63-SS	63mm Locknut	Stainless Steel	M63 X 1.5	70	1

All dimensions in mm unless otherwise specified.

5.4 NON-METALLIC CONDUIT & FITTINGS

5.4.1 LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT - ANACONDA



FEATURES:

Applications	Provides superior heat, oil & chemical resistance in high/low temperature conditions
Function	Provides protection where temperature conditions are higher or lower than normal
Features	Rigid, non-metallic construction grade conduit with reinforced embedded wall for exceptional crush, abrasion, strain and corrosion resistance Durable, sunlight resistant and flame retardant grey thermoplastic PVC cover Uses standard liquid-tight fittings for easy installation Smooth appearing cover for exposed application with convenient markings in feet No copper ground wire Approved for direct burial
Approvals	IP67 rating Complies with NEC Article 356 and UL Standard 1660 File No. E-211327; CSA 22.2 File No. 020817
Temperature Range	-27°C to +80°C for dry locations -27°C to +60°C for wet locations -27°C to +70°C for oil locations

TECHNICAL DATA:

CLASSIFICATION	VALUE	DESCRIPTION
Compression resistance	2	Light (320N)
Impact resistance	3	Medium (2J)
Minimum temperature	4	-27°C
Maximum temperature	3	+105°C
Bending resistance	4	Flexible
Electrical properties	3	With continuity and insulating characteristics
Resistance to ingress of solid foreign objects (I)	6	Protected against dust (dustproof)
Resistance to ingress of water (P)	7	Watertight (1 metre deep, 30 min.)
Corrosion resistance inside/outside	3	Medium / High
Tensile strength	4	Heavy (1000 N)
Resistance to flame propagation	1	Non-flame propagating
Suspended load capacity	0	None declared

*For extended classification info see page 78

SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE		INSIDE DIAMETER (mm)	OUTSIDE DIAMETER (mm)	APPROX INSIDE BEND DIA (mm)	WEIGHT (KG/30M)	THREAD SIZE (mm)	LENGTH (M)	SUITABLE FITTING			
	mm	INCHES							FF NYLON FITTINGS		NMC PVC FITTINGS	
									STRAIGHT	90°	STRAIGHT	90°
NMUA38-30	16	3/8	12.3	17.5	50.8	5.9	16	30	C16/M16-FF	C16/M16/90A-FF	C16/M20-NMC	C16/M20/90A-NMC
NMUA38-BLK-30	16	3/8	12.3	17.5	50.8	5.9	16	30	C16/M16-FF	C16/M16/90A-FF	C16/M20-NMC	C16/M20/90A-NMC
NMUA38-ORG-30	16	3/8	12.3	17.5	50.8	5.9	16	30	C16/M16-FF	C16/M16/90A-FF	C16/M20-NMC	C16/M20/90A-NMC
NMUA12-30	20	½	15.8	20.8	88.9	6.4	20	30	C20/M20-FF	C20/M20/90A-FF	C20M20-NMC	C20/M20/90A-NMC
NMUA12-BLK-30	20	½	15.8	20.8	88.9	6.4	20	30	C20/M20-FF	C20/M20/90A-FF	C20M20-NMC	C20/M20/90A-NMC
NMUA12-ORG-30	20	½	15.8	20.8	88.9	6.4	20	30	C20/M20-FF	C20/M20/90A-FF	C20M20-NMC	C20/M20/90A-NMC
NMUA34-30	25	¾	20.8	26.2	114.3	7.3	25	30	C25/M25-FF	C25/M25/90A-FF	C25/M25-NMC	C25/M25/90A-NMC
NMUA34-BLK-30	25	¾	20.8	26.2	114.3	7.3	25	30	C25/M25-FF	C25/M25/90A-FF	C25/M25-NMC	C25/M25/90A-NMC
NMUA34-ORG-30	25	¾	20.8	26.2	114.3	7.3	25	30	C25/M25-FF	C25/M25/90A-FF	C25/M25-NMC	C25/M25/90A-NMC
NMUA100-30	32	1	26.4	32.8	165.1	11.8	32	30	C32/M32-FF	C32/M32/90A-FF	-	-
NMUA100-BLK-30	32	1	26.4	32.8	165.1	11.8	32	30	C32/M32-FF	C32/M32/90A-FF	-	-
NMUA100-ORG-30	32	1	26.4	32.8	165.1	11.8	32	30	C32/M32-FF	C32/M32/90A-FF	-	-
NMUA114-15	40	1 ¼	35.1	41.5	203.2	15.4	40	15	-	-	-	-
NMUA112-15	50	1 ½	40.0	47.4	228.6	20.4	50	15	-	-	-	-

5.4 NON-METALLIC CONDUIT & FITTINGS

5.4.2 LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FITTINGS - ANACONDA



FEATURES:

- 2 piece nylon conduit fittings to suit 'Type NMUA' Anaconda conduit
- Reusable and durable connectors are flame retardant and resist salt water, weak acids, gasoline, alcohol, oil grease and common solvents
- Easy to install, by pushing the non-metallic conduit onto the smooth ferrule and tightening seal nut

Applications	For indoor and outdoor use
Range	C16/M16-FF- C32/M32/90A-FF
Material	Nylon 66
Temperature Range	-40°C to +100°C

SPECIFICATIONS:

PART NUMBER	SIZE		THREAD SIZE (mm)	BODY STYLE	BOX QTY	SUITABLE CONDUIT
	mm	INCHES				
C16/M16-FF	16	3/8	16	Straight	25	NMUA38-30
C16/M16/90A-FF	16	3/8	16	90°	10	NMUA38-30
C20/M20-FF	20	1/2	20	Straight	25	NMUA12-30
C20/M20/90A-FF	20	1/2	20	90°	10	NMUA12-30
C25/M25-FF	25	3/4	25	Straight	10	NMUA34-30
C25/25/90A-FF	25	3/4	25	90°	10	NMUA34-30
C32/M32-FF	32	1	32	Straight	5	NMUA100-30
C32/M32/90A-FF	32	1	32	90°	5	NMUA100-30

5.4.3 PVC FLEXIBLE CONDUIT - ALCO



FEATURES:

- Highly flexible PVC conduit
- Comes with stainless steel draw wire
- Tough, durable and cost effective
- Easy to use and conveniently lightweight
- Used to effectively protect electrical wiring in underground and aboveground installations
- Manufactured to AS/NZS 2053 specifications

Temperature Range	Up to +75°C
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SPECIFICATIONS:

PART NUMBER	CONDUIT SIZE		COLOUR	LENGTH (m)	ID (MM)	OD (MM)
	mm	INCHES				
ALCDFC1615	16	3/8	Grey	15	16	21
ALCDFC1630	16	3/8	Grey	30	16	21
ALCDFC2015	20	1/2	Grey	15	20	26
ALCDFC2030	20	1/2	Grey	30	20	26
ALCDFC2515	25	3/4	Grey	15	25	33
ALCDFC2530	25	3/4	Grey	30	25	33
ALCDFC3215	32	1	Grey	15	32	42
ALCDFC3230	32	1	Grey	30	32	42
ALCDFC4010	40	1 1/2	Grey	10	40	50
ALCDFC4015	40	1 1/2	Grey	15	40	50
ALCDFC4030	40	1 1/2	Grey	30	40	50
ALCDFC5015	50	1 1/2	Grey	15	50	64
ALCDFC6315	63	2	Grey	15	63	73

5.5 DUCT

5.5 SLOTTED DUCT - WATTMASTER



FEATURES:

- Open slotted plastic duct
- Designed for wire and cable management where cable protection is essential e.g. switch boards
- Prevents cables from getting tangled
- High impact resistance
- Self-extinguishing
- RoHS compliance PVC
- Wide slots allow for additional cable support
- Grey in colour
- Note: Duct lids can be purchased separately

Approvals	UL approved
Temperature Range	+50°C
Material	PVC

TECHNICAL DATA:

TEST NAME	TEST METHOD	UNITS	THICKNESS TESTED (mm)	VALUE
IEC Flammability	IEC 60695-11-10	Class (colour)	1.5	V-0 (ALL)
			3.0	V-0 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	—	—
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	C	—	—
IEC Comparative Tracking Index	IEC 60112	Volts (max)	—	—
IEC Ball Pressure	IEC 60695-10-2	C	—	—
ISO Heat Deflection (1.80 MPa)	ISO 75-2	C	—	—
ISO Tensile Strength	ISO 527-2	MPa	—	—
ISO Flexural Strength	ISO 178	MPa	—	—
ISO Tensile Impact	ISO 8256	kJ/m ²	—	—
ISO Izod Impact	ISO 180	kJ/m ²	—	—
ISO Charpy Impact	ISO 179-2	kJ/m ²	—	—

SPECIFICATIONS:

PART NUMBER	WIRE CAPACITY (mm ²)	SLOT SIZE		LENGTH (M)
		WIDTH (mm)	HEIGHT (mm)	
WATDOS1525	5-12	15	25	2
WATDOS2525	10-20	25	25	2
WATDOS2545	20-25	25	45	2
WATDOS4545	60-70	45	45	2
WATDOS6545	110-120	65	45	2
WATDOS2565	40-60	25	65	2
WATDOS4565	110-115	45	65	2
WATDOS6565	180-200	65	65	2
WATDOS70100	250-300	70	100	2
WATDOS100100	300-400	100	100	2

5.6 FLEXIBLE CONDUIT ACCESSORIES

5.6.1 PVC/PIPE DUCT CUTTER - WATTMASTER



PART NUMBER: WATM42

FEATURES:

- PVC pipe and duct cutter with anvil
- Special steel blades
- Ergonomically designed handles to minimise effort
- Gives clean edges and a professional finish to all pipe and duct cutting
- Ratcheting action
- Anvil is marked for accurate 45° mitre cuts

SPECIFICATIONS:

Cutting Capacity	Up to 38mm PVC pipe & 25mm x 25mm ² duct
Length	210mm

ACCESSORIES:

PART NUMBER	DESCRIPTION
WATM42SA	Spare Anvil
WATM42SB	Spare Blade

5.6.2 PVC/PIPE DUCT CUTTER - WATTMASTER



PART NUMBER: WATM42W

FEATURES:

- Quick release
- Cuts PVC pipe up to a maximum of 42mm diameter
- Also cuts PPR pipe, PE pipe and EXP pipe
- Multiple step cutting action requires less effort
- Creates a square and smoother cut
- Low profile design gets in to tight areas
- Handle lock for extra safety
- Made from aluminium alloy
- High quality stainless steel blade

SPECIFICATIONS:

Cutting Capacity	Up to 42mm PVC pipe
Length	210mm

ACCESSORIES:

PART NUMBER	DESCRIPTION
WATM42W-SB	Stainless Steel Spare Blade

5.6.3 NYLON CONDUIT SPLITTER - WATTMASTER



PART NUMBER: WATNCS

FEATURES:

- Safety splitter for nylon corrugated conduit
- Can be used to cut/slit corrugated conduit down to 10mm
- Comes with 1 blade

ACCESSORIES:

PART NUMBER	DESCRIPTION
WATNCS-SB	Spare Blades

5.6 FLEXIBLE CONDUIT ACCESSORIES

5.6.4 CONDUIT FLARING TOOL - WATTMASTER

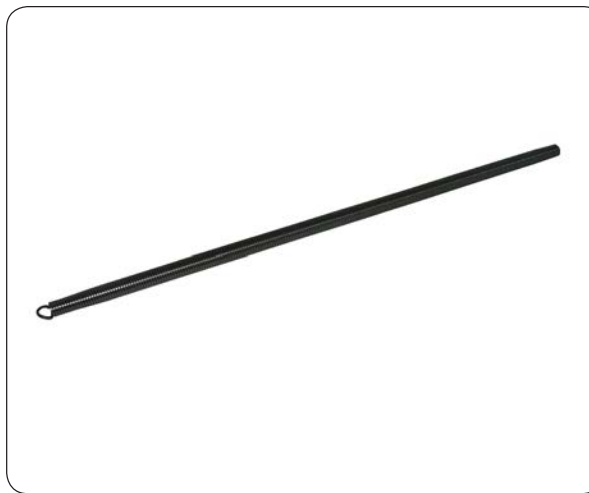


PART NUMBER: WATBM

FEATURES:

- Makes conduit bells
- No more wasted conduit
- Make your own custom bends; any shape, any size
- Made in Australia
- For use with 20, 25, 32 and 40mm conduit

5.6.2 BENDING SPRINGS - WATTMASTER



FEATURES:

- Allows for cold bending of PVC conduit
- Prevents conduit collapsing
- Corrosion resistant
- Complete with fastening eye
- Bends in multiple directions
- Made from heavy gauge steel

SPECIFICATIONS:

PART NUMBER	DIAMETER (mm)	LENGTH (mm)
WATCB20	20	550
WATCB25	25	600

5.6.6 CONDUIT VICE - ANACONDA



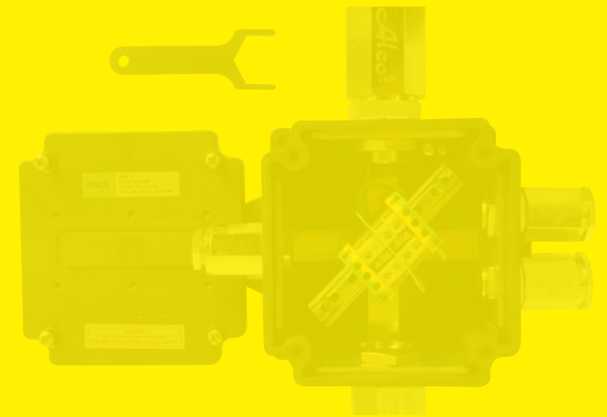
PART NUMBER: ANACONDA-VICE

FEATURES:

- Free standing or bench mountable
- Ideal for use with Anaconda flexible metal conduit
- Used to make precision cuts on conduit
- Portable
- Clamp holds conduit in place, wriggle-free
- Cuts up to 63mm (2") OD max conduit

SECTION 6

JUNCTION BOXES



6.1 WEATHERPROOF JUNCTION BOXES

6.1.1 WEATHERPROOF NON-METALLIC JUNCTION BOXES 4 X M20 ENTRIES - ALCO



Accessories not included. Illustration purpose only.

Applications	Protected cable connections Provides watertight, dustproof seal
Features	Impact Resistant Polymer Integral earth connections 4 x M20 entries with blanking plugs Supplied with or without terminals
Approvals	IP68
Standards	IEC 60529
Dimensions	Across box 108mm, across tabs 140mm, height 85mm

Terminals can be
made to customers
specific requests

SPECIFICATIONS:

PART NUMBER	RAIL	TERMINAL SIZE (mm ²)	NO OF TERMINALS	EARTH TERMINALS (mm ²)	NO OF EARTHS	NO OF CROSS CONNECTS	TERMINAL BRAND
ALCJBW-1	-	-	-	-	-	-	-
ALCJBW-1-120412	TS15	2.5	4	2.5	1	2	Weidmuller
ALCJBW-1-12082	TS15	2.5	8	2.5	2	0	Weidmuller
ALCJBW-1-12122	TS15	2.5	12	2.5	2	0	Weidmuller
ALCJBW-1-130412	TS15	4.0	4	4.0	1	2	Weidmuller
ALCJBW-1-13082	TS15	4.0	8	4.0	2	0	Weidmuller

ACCESSORIES:

PART NUMBER	DESCRIPTION	LENGTH
ALCJBW-LT	Lid Tightening Tool to suit ALCJBW1 and ALCJBW2 Weatherproof Non-metallic Junction Boxes	265mm



6.1 WEATHERPROOF JUNCTION BOXES

6.1.2 WEATHERPROOF NON-METALLIC JUNCTION BOXES 4 X M25 ENTRIES - ALCO



Applications	Protected cable connections Provides watertight, dustproof seal
Features	Impact Resistant Polymer Integral earth connections 4 x M25 entries with blanking plugs Supplied with or without terminals
Approvals	IP68
Standards	IEC 60529
Dimensions	Across box 108mm, across tabs 140mm, height 87mm

Terminals can be
made to customers
specific requests

SPECIFICATIONS:

PART NUMBER	RAIL	TERMINAL SIZE (mm ²)	NO OF TERMINALS	EARTH TERMINALS (mm ²)	NO OF EARTHS	NO OF CROSS CONNECTS	TERMINAL BRAND
ALCJBW-2	-	-	-	-	-	-	-
ALCJBW-2-120412	TS15	2.5	4	2.5	1	2	Weidmuller
ALCJBW-2-12082	TS15	2.5	8	2.5	2	0	Weidmuller
ALCJBW-2-12122	TS15	2.5	12	2.5	2	0	Weidmuller
ALCJBW-2-130412	TS15	4.0	4	4.0	1	2	Weidmuller
ALCJBW-2-13082	TS15	4.0	8	4.0	2	0	Weidmuller
ALCJBW-2-13122	TS15	4.0	12	4.0	2	0	Weidmuller
ALCJBW-2-220412	TS35	2.5	4	2.5	1	2	Weidmuller
ALCJBW-2-22082	TS35	2.5	8	2.5	2	0	Weidmuller
ALCJBW-2-22122	TS35	2.5	12	2.5	2	0	Weidmuller
ALCJBW-2-230412	TS35	4.0	4	4.0	1	2	Weidmuller
ALCJBW-2-23082	TS35	4.0	8	4.0	2	0	Weidmuller
ALCJBW-2-23122	TS35	4.0	12	4.0	2	0	Weidmuller

ACCESSORIES:

PART NUMBER	DESCRIPTION	LENGTH
ALCJBW-LT	Lid Tightening Tool to suit ALCJBW1 and ALCJBW2 Weatherproof Non-metallic Junction Boxes	265mm



6.1 WEATHERPROOF JUNCTION BOXES

6.1.3 WEATHERPROOF NON-METALLIC JUNCTION BOXES 3 X M20 BOTTOM ENTRIES - ALCO



Applications	Protected cable connections Provides watertight, dustproof seal
Features	Impact Resistant Polymer Integral earth connections 3 x M20 entries with blanking plugs Supplied with or without terminals
Approvals	IP68
Standards	IEC 60529
Dimensions	Across box 108mm, across tabs 140mm, height 105mm Max gland diameter across points 3 x 36mm (suits all Alco glands with 20mm entry thread).

Terminals can be
made to customers
specific requests

SPECIFICATIONS:

PART NUMBER	RAIL	TERMINAL SIZE (mm ²)	NO OF TERMINALS	EARTH TERMINALS (mm ²)	NO OF EARTHS	NO OF CROSS CONNECTS	TERMINAL BRAND
ALCJBB1	-	-	-	-	-	-	-
ALCJBB1-120412	TS15	2.5	4	2.5	1	2	Weidmuller
ALCJBB1-12082	TS15	2.5	8	2.5	2	0	Weidmuller
ALCJBB1-130412	TS15	4.0	4	4.0	1	2	Weidmuller
ALCJBB1-13082	TS15	4.0	8	4.0	2	0	Weidmuller

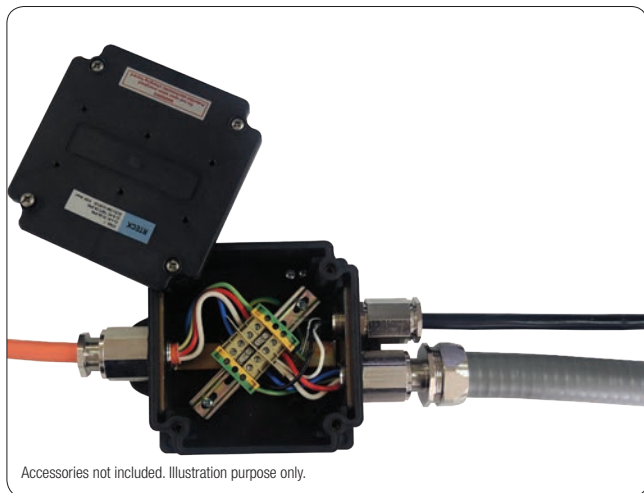
ACCESSORIES:

PART NUMBER	DESCRIPTION	LENGTH
ALCJBW-LT	Lid Tightening Tool to suit ALCJBW1 and ALCJBW2 Weatherproof Non-metallic Junction Boxes	265mm



6.2 HAZARDOUS AREA JUNCTION BOXES

6.2.1 HAZARDOUS AREA JUNCTION BOXES 3 X M20 ENTRIES- NON METALLIC



Applications	Cable connections in hazardous areas Provides watertight, dustproof seal
Features	Very high impact resistant glass reinforced Nylon Good chemical resistance Easy fit tabs, enclosed labelling system 3 x M20 entries, locknuts and blanking plugs supplied
Approvals	IECEX SIM 14.0021X
Protection Types	Ex e IIC T6 Gb, Ex e m IIC T6 Gb, Ex tb IIIC T80°C Gb, IP 67
Standards	IEC 60079.0, .7, .31, IEC 60259
Dimensions	117 x 117 x 65mm

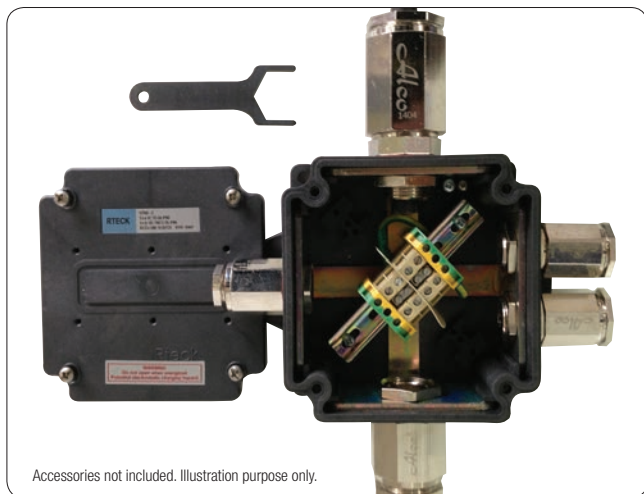
Made in New Zealand by R-Teck Pacific.

SPECIFICATIONS:

PART NUMBER	RAIL	TERMINAL SIZE (mm ²)	NO OF TERMINALS	EARTH TERMINALS (mm ²)	NO OF EARTHS	NO OF CROSS CONNECTS	TERMINAL BRAND
ALCHAJB1-W4-7	TS15	4.0	7	4.0	2	0	Weidmuller
ALCHAJB1-W4-4C2	TS15	4.0	4	4.0	2	2	Weidmuller
ALCHAJB1-W1.5-12	TS15	1.5	12	1.5	2	0	Weidmuller

6.2 HAZARDOUS AREA JUNCTION BOXES

6.2.2 HAZARDOUS AREA JUNCTION BOXES 3 X M20 + 2 X M25 ENTRIES - NON METALLICLIC



Applications	Cable connections in hazardous areas Provides watertight, dustproof seal
Features	Very high impact resistant glass reinforced Nylon Good chemical resistance Easy fit tabs, enclosed labelling system 3 x M20 + 2 M25 entries, locknuts and blanking plugs supplied
Approvals	IECEX SIM 14.0021X
Protection Types	Ex e IIC T6 Gb, Ex e m IIC T6 Gb, Ex tb IIIC T80°C Gb, IP 67
Standards	IEC 60079.0, .7, .31, IEC 60259
Dimensions	117 x 117 x 65mm

Made in New Zealand by R-Teck Pacific.

SPECIFICATIONS:

PART NUMBER	RAIL	TERMINAL SIZE (mm ²)	NO OF TERMINALS	EARTH TERMINALS (mm ²)	NO OF EARTHS	NO OF CROSS CONNECTS	TERMINAL BRAND
ALCHAJB2-W4-7	TS15	4.0	7	4.0	2	0	Weidmuller
ALCHAJB2-W4-4C2	TS15	4.0	4	4.0	2	2	Weidmuller
ALCHAJB2-W1.5-12	TS15	1.5	12	1.5	2	0	Weidmuller

7.1 CABLE GLAND SELECTION GUIDE - 2C&E CABLE

7.1.1 CABLE GLANDS FOR PVC/PVC ORANGE CIRCULAR 2C&E CABLE

OLEX CABLE DETAILS			ALCUW/ALCUA CABLE GLANDS			ALCBRGM BRASS CABLE GLANDS			ALCMG NYLON CABLE GLANDS			ALCMG-FF NYLON CABLE GLANDS			ALCHUW CABLE GLANDS			ALCHUW - H CABLE GLANDS			HOSE ID
CONDUCTOR CSA (mm²)	PART NO	CABLE DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		
				PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON	
1.5	DNHP05	10.1	ALCUW20/ ALCUA20A	ALCSG1/ ALCSG1	ALCSG1S/ ALCSG1S	ALCBRGM20	ALCSG1	ALCSG1S	ALCMG20	ALCSG2S	ALCSG2S	ALCMG20-FF	ALCSG2	ALCSG2S	ALCHUW20B	ALCSG3	ALCSG2LS	ALCHUW20B-H	ALCSG3	ALCSG2LS	19
2.5	DNHP07	11.3	ALCUW20/ ALCUA20A	ALCSG1/ ALCSG1	ALCSG1S/ ALCSG1S	ALCBRGM20	ALCSG1	ALCSG1S	ALCMG20	ALCSG2	ALCSG2S	ALCMG20L-FF	ALCSG2	ALCSG2S	ALCHUW20B	ALCSG3	ALCSG2LS	ALCHUW20B-H	ALCSG3	ALCSG2LS	19
4	DNHP09	13	ALCUW20/ ALCUA20A	ALCSG1/ ALCSG2	ALCSG1S/ ALCSG2S	ALCBRGM25	ALCSG2	ALCSG2S	ALCMG20	ALCSG2	ALCSG2S	ALCMG25-FF	ALCSG2L	ALCSG2LS	ALCHUW20B	ALCSG3	ALCSG2LS	ALCHUW20B-H	ALCSG3	ALCSG2LS	19
6	DNHP11	14	ALCUW20/ ALCUA20A	ALCSG1/ ALCSG2	ALCSG1S/ ALCSG2S	ALCBRGM25	ALCSG2	ALCSG2S	ALCMG25	ALCSG3	ALCSG2LS	ALCMG25-FF	ALCSG2L	ALCSG2LS	ALCHUW25	ALCSG3	ALCSG3S	ALCHUW25-H	ALCSG3	ALCSG3S	25
10	DNHP13	16.1	ALCUW25/ ALCUA25A	ALCSG3/ ALCSG2L	ALCSG2LS/ ALCSG2LS	ALCBRGM32	ALCSG3	ALCSG2LS	ALCMG25	ALCSG3	ALCSG2LS	ALCMG25-FF	ALCSG2L	ALCSG2LS	ALCHUW25	ALCSG3	ALCSG3S	ALCHUW25-H	ALCSG3	ALCSG3S	25
16	DNHP15	18	ALCUW25/ ALCUA25A	ALCSG2L/ ALCSG2L	ALCSG2LS/ ALCSG2LS	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	ALCMG32-FF	ALCSG3	ALCSG3S	ALCHUW25	ALCSG3	ALCSG3S	ALCHUW25-H	ALCSG3	ALCSG3S	25
25	DNHC17	20.5	ALCUW32/ ALCUA32A	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	ALCMG32-FF	ALCSG3	ALCSG3S	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
35	DNHC18	22.5	ALCUW32/ ALCUA32A	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	—	—	—	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
50	DNHC19	25.6	ALCUW32/ ALCUA25A	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM50	ALCSG5	ALCSG5S	ALCMG40	ALCSG5	ALCSG5S	—	—	—	ALCHUW40	ALCSG4	ALCSG4S	ALCHUW40-H	ALCSG4	ALCSG4S	38

OLEX CABLE DETAILS			ALCHUW - LTA CABLE GLANDS			ALCBUB CABLE GLANDS			ALCBUB2 CABLE GLANDS			ALCBCB CABLE GLANDS			ALCBIMBUP CABLE GLANDS		
CONDUCTOR CSA (mm ²)	PART NO	CABLE DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
				PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON
1.5	DNHP05	10.1	ALCHUW20BLTA25	ALCSG3	ALCSG2L	ALCBUBM16/ ALCBUBM20S	ALCSG1/ ALCSG1	ALCSG1S/ ALCSG1S	ALCBUB2M16L/ ALCBUB2M20	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBCBM16/ ALCBCBM20	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBIMBUPM20S	ALCSG1	ALCSG1S
2.5	DNHP07	11.3	ALCHUW20BLTA25	ALCSG3	ALCSG2L	ALCBUBM16/ ALCBUBM20S	ALCSG1/ ALCSG1	ALCSG1S/ ALCSG1S	ALCBUB2M16L/ ALCBUB2M20	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBCBM16/ ALCBCBM20	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBIMBUPM20S	ALCSG1	ALCSG1S
4	DNHP09	13	ALCHUW20BLTA25	ALCSG2L	ALCSG2LS	ALCBUBM20/ ALCBUBM25S	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBUB2M20L/ ALCBUB2M25	— / ALCSG3	ALCSG2L/ ALCSG3S	ALCBCBM25	ALCSG3	ALCSG2LS	ALCBIMBUPM20/ ALCBIMBUPM25S	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S
6	DNHP11	14	ALCHUW25-LTA32	ALCSG4	ALCSG4S	ALCBUBM20/ ALCBUBM25S	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBUB2M20L/ ALCBUB2M25	— / ALCSG3	ALCSG2L/ ALCSG3S	ALCBCBM25	ALCSG3	ALCSG2L	ALCBIMBUPM25S	ALCSG2	ALCSG2S
10	DNHP13	16.1	ALCHUW25-LTA32	ALCSG4	ALCSG4S	ALCBUBM25S/ ALCBUBM32S	ALCSG2/ ALCSG3	ALCSG2S/ ALCSG3S	ALCBUB2M25L/ ALCBUB2M32S	—	ALCSG3L/ ALCSG3L	ALCBCBM25/ ALCBCBM32	ALCSG3/ ALCSG4	ALCSG2LS/ ALCSG3L	ALCBIMBUPM25/ ALCBIMBUPM32S	ALCSG3/ ALCSG3	ALCSG2LS/ ALCSG3S
16	DNHP15	18	ALCHUW25-LTA32	ALCSG4	ALCSG4S	ALCBUBM25/ ALCBUBM32S	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBUB2M25L/ ALCBUB2M32S	—	ALCSG3L/ ALCSG3L	ALCBCBM32	ALCSG4	ALCSG3L	ALCBIMBUPM32S	ALCSG3	ALCSG3S
25	DNHC17	20.5	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM32S	ALCSG3	ALCSG3S	ALCBUB2M32/ ALCBUB2M40S	—	ALCSG4S/ ALCSG4S	ALCBCBM32	ALCSG4	ALCSG3L	ALCBIMBUPM32	ALCSG4	ALCSG3L
35	DNHC18	22.5	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM32S	ALCSG3	ALCSG3S	ALCBUB2M32/ ALCBUB2M40S	—	ALCSG4S/ ALCSG4S	ALCBCBM40	ALCSG5	ALCSG5S	ALCBIMBUPM32	ALCSG4	ALCSG3L
50	DNHC19	25.6	ALCHUW40-LTA50	ALCSG6	ALCSG6S	ALCBUBM32/ ALCBUBM40S	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBUB2M40/ ALCBUB2M50S	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBCBM40	ALCSG5	ALCSG5S	ALCBIMBUPM40	ALCSG5	ALCSG5S

All dimensions in mm unless otherwise specified.

7.1 CABLE GLAND SELECTION GUIDE - 2C&E CABLE

7.1.2 CABLE GLANDS FOR XLPE/PVC ORANGE CIRCULAR 2C&E CABLE

OLEX CABLE DETAILS			ALCUW/ALCUA CABLE GLANDS			ALCBRGM BRASS CABLE GLANDS			ALCMG NYLON CABLE GLANDS90			ALCMG-FF NYLON CABLE GLANDS			ALCHUW CABLE GLANDS			ALCHUW - H CABLE GLANDS			HOSE ID
CONDUCTOR CSA (mm²)	PART NO	CABLE DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		
				PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON	
25	DTHC17	19.3	ALCUW25/ ALCUA25	ALCSG2L/ ALCSG2L	ALCSG2LS/ ALCSG2LS	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	ALCMG25-FF	ALCSG2L	ALCSG2LS	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
35	DTHC18	21.3	ALCUW32/ ALCUA32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	—	—	—	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
50	DTHC19	24	ALCUW32/ ALCUA32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM50	ALCSG5	ALCSG5S	ALCMG40	ALCSG5	ALCSG5S	—	—	—	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
70	DTHC20	27.6	ALCUW40/ ALCUA40	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBRGM50	ALCSG5	ALCSG5S	ALCMG40	ALCSG5	ALCSG5S	—	—	—	ALCHUW40	ALCSG4	ALCSG4S	ALCHUW40-H	ALCSG4	ALCSG4S	38
95	DTHC22	32.5	ALCUW40/ ALCUA40	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	—	—	—	ALCMG50	ALCSG5	ALCSG5S	—	—	—	ALCHUW50	ALCSG5	ALCSG5S	ALCHUW50-H	ALCSG5	ALCSG5S	50
120	DTHP23	37.3	ALCUW50/ ALCUA50	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBRGM63	ALCSG6	ALCSG6S	ALCMG63	ALCSG6	ALCSG6S	—	—	—	ALCHUW50	ALCSG5	ALCSG5S	ALCHUW50-H	ALCSG5	ALCSG5S	50

OLEX CABLE DETAILS			ALCHUW - LTA CABLE GLANDS			ALCBUB CABLE GLANDS			ALCBUB2 CABLE GLANDS			ALCBCB CABLE GLANDS			ALCBIMBUP CABLE GLANDS		
CONDUCTOR CSA (mm ²)	PART NO	CABLE DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
				PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON
25	DTHC17	19.3	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM25/ ALCBUBM32S	ALCSG3/ ALCSG3	ALCSG2S/ ALCSG3S	ALCBUB2M32/ ALCBUB2M40S	—	ALCSG4S/ ALCSG4S	ALCBCBM32	ALCSG4	ALCSG3L	ALCBIMBU- PM32	ALCSG4	ALCSG3L
35	DTHC18	21.3	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM32S	ALCSG3	ALCSG3S	ALCBUB2M32/ ALCBUB2M40S	—	ALCSG4S/ ALCSG4S	ALCBCBM32	ALCSG4	ALCSG3L	ALCBIMBU- PM32	ALCSG4	ALCSG3L
50	DTHC19	24	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM32/ ALCBUBM40S	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBUB2M32/ ALCBUB2M40S	—	ALCSG4S/ ALCSG4S	ALCBCBM40	ALCSG5	ALCSG5S	ALCBIMBU- PM40	ALCSG5	ALCSG5S
70	DTHC20	27.6	ALCHUW40-LTA50	ALCSG6	ALCSG6S	ALCBUBM32/ ALCBUBM40S	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBUB2M40/ ALCBUB2M50S	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBCBM40	ALCSG5	ALCSG5S	ALCBIMBU- PM40	ALCSG5	ALCSG5S
95	DTHC22	32.5	ALCHUW50-LTA63	—	ALCSG6L	ALCBUBM40S	ALCSG4	ALCSG4S	ALCBUB2M50S	ALCSG6	ALCSG6S	ALCBCBM50	ALCSG6	ALCSG6S	—	—	—
120	DTHP23	37.3	ALCHUW50-LTA63	—	ALCSG6L	ALCBUBM50/ ALCBUBM63S	— / ALCSG6	ALCSG6S/ ALCSG6S	ALCBUB2M50/ ALCBUB2M63S	ALCSG6/ *****	ALCSG6S/ ALCSG6L	—	—	—	ALCBIMBU- PM50	ALCSG6	ALCSG6S

All dimensions in mm unless otherwise specified.

7.2 CABLE GLAND SELECTION GUIDE - 2C&E CABLE SWA

7.2.1 CABLE GLANDS FOR PVC/SWA/PVC ORANGE CIRCULAR 2C&E CABLE

OLEX CABLE DETAILS				ALCAW CABLE GLANDS			ALCHAW BARRIER GLANDS			ALCHAW CABLE GLANDS			ALCBAB CABLE GLANDS			ALCBAB2 CABLE GLANDS		
CONDUCTOR CSA (mm²)	PART NO	OVERBEDDING DIA	OVERALL DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
					PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON
1.5	DNMP05	8.7	14.1	ALCAW16	ALCSG1	ALCSG1S	ALCHAW20-B	ALCSG2	ALCSG2S	ALCHAW20	ALCSG2	ALCSG2S	ALCBABM16/ ALCBABM20	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBAB2M16L/ ALCBAB2M20	ALCSG1/ ALCSG1	ALCSG1S/ ALCSG1S
2.5	DNMP07	9.8	15.2	ALCAW20	ALCSG2	ALCSG2S	ALCHAW20SB-B	ALCSG2	ALCSG2S	ALCHAW20SB	ALCSG2	ALCSG2S	ALCBABM16/ ALCBABM20	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	-	-	-
4	DNMP09	11.5	16.9	ALCAW20	ALCSG2	ALCSG2S	ALCHAW20SB-B	ALCSG2	ALCSG2S	ALCHAW20SB	ALCSG2	ALCSG2S	ALCBABM20X	-	ALCSG2L	ALCBAB2M20L/ ALCBAB2M25	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S
6	DNMP11	12.7	18.1	ALCAW20	ALCSG2	ALCSG2S	ALCHAW25A-B	ALCSG3	ALCSG2LS	ALCHAW25A	ALCSG3	ALCSG2LS	ALCBABM20L/ ALCBABM25	-	ALCSG2L/ ALCSG2L	ALCBAB2M20L/ ALCBAB2M25	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S
10	DNMP13	14.5	20.6	AW20L	-	ALCSG2LS	ALCHAW25B-B	ALCSG3	ALCSG3S	ALCHAW25B	ALCSG3	ALCSG3S	ALCBABM25L/ ALCBABM32S	-	ALCSG3L/ ALCSG3L	ALCBAB2M25L/ ALCBAB2M32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S
16	DNMP15	16.4	22.5	ALCAW25	ALCSG3	ALCSG3S	ALCHAW25B-B	ALCSG3	ALCSG3S	ALCHAW25B	ALCSG3	ALCSG3S	ALCBABM25L/ ALCBABM32S	-	ALCSG3L/ ALCSG3L	ALCBAB2M25L/ ALCBAB2M32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S
25	DNMC17	18.9	25.7	ALCAW25L	ALCSG3	ALCSG3S	ALCHAW32A-B	ALCSG4	ALCSG3L	ALCHAW32A	ALCSG4	ALCSG3L	ALCBABM32/ ALCBABM40S	-	ALCSG4S/ ALCSG4S	ALCBAB2M25L/ ALCBAB2M32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S
35	DNMC18	20.9	27.8	ALCAW32/ ALCAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32A-B/ ALCHAW32C-B	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG4S	ALCHAW32A/ ALCHAW32C	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG4S	ALCBABM32/ ALCBABM40S	-	ALCSG4S/ ALCSG4S	ALCBAB2M32L	ALCSG4	ALCSG3L
50	DNMC19	24	30.9	ALCAW32/ ALCAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32B-B/ ALCHAW32C-B	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32B/ ALCHAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBABM32/ ALCBABM40S	-	ALCSG4S/ ALCSG4S	ALCBAB2M32L/ ALCBAB2M40	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG4S

7.2.2 CABLE GLANDS FOR XLPE/SWA/PVC ORANGE CIRCULAR 2C&E CABLE

OLEX CABLE DETAILS				ALCAW CABLE GLANDS			ALCHAW BARRIER GLANDS			ALCHAW CABLE GLANDS			ALCBAB CABLE GLANDS			ALCBAB2 CABLE GLANDS		
CONDUCTOR CSA (mm²)	PART NO	OVERALL DIA	OVERALL DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
					PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON
16	DTMP15	15.5	21.6	ALCAW25	ALCSG3	ALCSG3S	ALCHAW25B	ALCSG3	ALCSG3S	ALCHAW25B	ALCSG3	ALCSG3S	ALCBABM25L/ ALCBABM32S	-	ALCSG3L/ ALCSG3L	ALCBAB2M25L/ ALCBAB2M32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S
25	DTMC17	17.7	23.8	ALCAW25	ALCSG3	ALCSG3S	ALCHAW25B-B	ALCSG3	ALCSG3S	ALCHAW25B	ALCSG3	ALCSG3S	ALCBABM25L/ ALCBABM32S	-	ALCSG3L/ ALCSG3L	ALCBAB2M25L/ ALCBAB2M32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S
35	DTMC18	19.7	26.6	ALCAW25L	ALCSG3	ALCSG3S	ALCHAW32A-B	ALCSG4	ALCSG3L	ALCHAW32A	ALCSG4	ALCSG3L	ALCBABM32/ ALCBABM40S	-	ALCSG4S/ ALCSG4S	ALCBAB2M32L	ALCSG4	ALCSG3L
50	DTMC19	22.4	29.3	ALCAW32/ ALCAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32B-B/ ALCHAW32C-B	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32B/ ALCHAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBABM32/ ALCBABM40S	-	ALCSG4S/ ALCSG4S	ALCBAB2M32L	ALCSG4	ALCSG3L
70	DTMC20	26	33.1	ALCAW40	ALCSG4	ALCSG4S	ALCHAW32C-B/ ALCHAW40A-B	ALCSG4/ ALCSG5	ALCSG4S/ ALCSG5S	ALCHAW32C/ ALCHAW40A	ALCSG4/ ALCSG5	ALCSG4S/ ALCSG5S	ALCBABM40	ALCSG5	ALCSG5S	ALCBAB2M40	ALCSG4	ALCSG4S
95	DTMC22	30.7	38.8	ALCAW40L	ALCSG6	ALCSG6S	ALCHAW40B-B/ ALCHAW40C-B	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCHAW40B/ ALCHAW40C	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBABM50	ALCSG6	ALCSG6S	ALCBAB2M40/ ALCBAB2M50	ALCSG4/ ALCSG5	ALCSG4S/ ALCSG5S
120	DTMP23	35.7	44	ALCAW50	ALCSG6	ALCSG6S	ALCHAW40C-B/ ALCHAW50A-B	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCHAW40C/ ALCHAW50A	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCBABM63S	-	ALCSG6L	ALCBAB2M50/ ALCBAB2M63	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S

All dimensions in mm unless otherwise specified.

7.3 CABLE GLAND SELECTION GUIDE - 3C&E CABLE

7.3.1 CABLE GLANDS FOR PVC/PVC ORANGE CIRCULAR 3C&E CABLE

OLEX CABLE DETAILS			ALCUW/ALCUA CABLE GLANDS			ALCBRGM BRASS CABLE GLANDS			ALCMG NYLON CABLE GLANDS			ALCMG-FF NYLON CABLE GLANDS			ALCHUW CABLE GLANDS			ALCHUW - H CABLE GLANDS			HOSID
CONDUCTOR CSA (mm²)	PART NO	CABLE DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		
				PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON	
1.5	FNHP05	11	ALCUW20/ ALCUA20	ALCSG1/ ALCSG1	ALCSG1S/ ALCSG1S	ALCBRGM20	ALCSG1	ALCSG1S	ALCMG20	ALCSG2	ALCSG2S	ALCMG20-FF	ALCSG2	ALCSG2S	ALCHUW20B	ALCSG3	ALCSG2LS	ALCHUW20B-H	ALCSG3	ALCSG2LS	19
2.5	FNHP07	12.3	ALCUW20/ ALCUA20	ALCSG1/ ALCSG2	ALCSG1S/ ALCSG2S	ALCBRGM20	ALCSG1	ALCSG1S	ALCMG20	ALCSG2	ALCSG2S	ALCMG20L-FF	ALCSG2	ALCSG2S	ALCHUW20B	ALCSG3	ALCSG2LS	ALCHUW20B-H	ALCSG3	ALCSG2LS	19
4	FNHP09	14.1	ALCUW20/ ALCUA20	ALCSG1/ ALCSG2	ALCSG1S/ ALCSG2S	ALCBRGM25	ALCSG2	ALCSG2S	ALCMG25	ALCSG3	ALCSG2LS	ALCMG25-FF	ALCSG2L	ALCSG2LS	ALCHUW25	ALCSG3	ALCSG3S	ALCHUW25-H	ALCSG3	ALCSG3S	25
6	FNHP11	15.1	ALCUW25/ ALCUA25	ALCSG3/ ALCSG2	ALCSG2L/ ALCSG2S	ALCBRGM25	ALCSG2	ALCSG2S	ALCMG25	ALCSG3	ALCSG2LS	ALCMG25-FF	ALCSG2L	ALCSG2LS	ALCHUW25	ALCSG3	ALCSG3S	ALCHUW25-H	ALCSG3	ALCSG3S	25
10	FNHP13	17.5	ALCUW25/ ALCUA25	ALCSG2L/ ALCSG2L	ALCSG2LS/ ALCSG2LS	ALCBRGM32	ALCSG3	ALCSG2LS	—	—	—	ALCMG32-FF	ALCSG3	ALCSG3S	ALCHUW25	ALCSG3	ALCSG3S	ALCHUW25-H	ALCSG3	ALCSG3S	25
16	FNHP15	19.6	ALCUW25/ ALCUA25	ALCSG2L/ ALCSG2L	ALCSG2LS/ ALCSG2LS	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	ALCMG32-FF	ALCSG3	ALCSG3S	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
25	FNHC17	22.2	ALCUW32/ ALCUA32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	—	—	—	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
35	FNHC18	24.6	ALCUW32/ ALCUA32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM50	ALCSG5	ALCSG5S	ALCMG40	ALCSG5	ALCSG5S	—	—	—	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
50	FNHC19	28	ALCUW40/ ALCUA40	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBRGM50	ALCSG5	ALCSG5S	ALCMG40	ALCSG5	ALCSG5S	—	—	—	ALCHUW40	ALCSG4	ALCSG4S	ALCHUW40-H	ALCSG4	ALCSG4S	38
70	FNHC20	32	ALCUW40/ ALCUA40	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBRGM50	ALCSG5	ALCSG5S	ALCMG50	ALCSG5	ALCSG5S	—	—	—	ALCHUW50	ALCSG5	ALCSG5S	ALCHUW50-H	ALCSG6	ALCSG6S	50
95	FNHC22	37.6	ALCUW50/ ALCUA50	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBRGM63	ALCSG6	ALCSG6S	ALCMG63	ALCSG6	ALCSG6S	—	—	—	ALCHUW50	ALCSG5	ALCSG6S	ALCHUW50-H	ALCSG6	ALCSG6S	50
120	FNHP23	42.4	ALCUW63	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCBRGM63	ALCSG6	ALCSG6S	ALCMG63	ALCSG6	ALCSG6S	—	—	—	ALCHUW63	—	ALCSG6L	—	—	—	—
150	FNHP24	46.3	ALCUW63	ALCSG6	ALCSG6S	—	—	—	—	—	—	—	—	—	ALCHUW63	—	ALCSG6L	—	—	—	—
185	FNHP25	51.7	ALCUW75	—	ALCSG7S	—	—	—	—	—	—	—	—	—	ALCHUW63	—	ALCSG6L	—	—	—	—
240	FNHP26	59.4	ALCUW75	—	ALCSG7S	—	—	—	—	—	—	—	—	—	ALCHUW75	—	ALCSG7S	—	—	—	—
300	FNHP27	66.2	ALCUW82	—	ALCSG8S	—	—	—	—	—	—	—	—	—	ALCHUW90	—	ALCSG9S	—	—	—	—

All dimensions in mm unless otherwise specified.

7.3 CABLE GLAND SELECTION GUIDE - 3C&E CABLE

7.3.1 CABLE GLANDS FOR PVC/PVC ORANGE CIRCULAR 3C&E CABLE

OLEX CABLE DETAILS			ALCHUW - LTA CABLE GLANDS			ALCBUB CABLE GLANDS			ALCBUB2 CABLE GLANDS			ALCBCB CABLE GLANDS			ALCBIMBUP CABLE GLANDS		
CONDUCTOR CSA (mm ²)	PART NO	CABLE DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
				PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON
1.5	FNHP05	11	ALCHUW20BLTA25	ALCSG3	ALCSG2L	ALCBUBM16/ ALCBUBM20S	ALCSG1/ ALCSG1	ALCSG1S/ ALCSG1S	ALCBUB2M16L/ ALCBUB2M20	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBCBM16/ ALCBCBM20	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBIMBUPM20S	ALCSG1	ALCSG1S
2.5	FNHP07	12.3	ALCHUW20BLTA25	ALCSG3	ALCSG2L	ALCBUBM20/ ALCBUBM25S	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBUB2M20L/ ALCBUB2M25	ALCSG2/ ALCSG2	ALCSG2LS/ ALCSG2L	ALCBCBM25	ALCSG3	ALCSG2LS	ALCBIMBUPM20	ALCSG2	ALCSG2S
4	FNHP09	14.1	ALCHUW25-LTA32	ALCSG4	ALCSG4S	ALCBUBM20/ ALCBUBM25S	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBUB2M25/ ALCBUB2M32S	ALCSG3/ ALCSG3	ALCSG2LS/ ALCSG3S	ALCBCBM25	ALCSG3	ALCSG2LS	ALCBIMBUPM25S	ALCSG2	ALCSG2S
6	FNHP11	15.1	ALCHUW25-LTA32	ALCSG4	ALCSG4S	ALCBUBM20/ ALCBUBM25S	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBUB2M25L/ ALCBUB2M32S	ALCSG3/ ALCSG3	ALCSG2LS/ ALCSG3S	ALCBCBM25	ALCSG3	ALCSG2LS	ALCBIMBUPM25	ALCSG3	ALCSG2LS
10	FNHP13	17.5	ALCHUW25-LTA32	ALCSG4	ALCSG4S	ALCBUBM25S/ ALCBUBM32S	ALCSG2/ ALCSG3	ALCSG2S/ ALCSG3S	ALCBUB2M25L/ ALCBUB2M32S	ALCSG3/ ALCSG3	ALCSG2LS/ ALCSG3S	ALCBCBM32	ALCSG4	ALCSG3L	ALCBIMBUPM25/ ALCBIMBUPM32S	ALCSG3/ ALCSG3	ALCSG2LS/ ALCSG3S
16	FNHP15	19.6	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM25/ ALCBUBM32S	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBUB2M32/ ALCBUB2M40S	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBCBM32	ALCSG4	ALCSG3L	ALCBIMBUPM32S	ALCSG3	ALCSG3S
25	FNHC17	22.2	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM32S	ALCSG3	ALCSG3S	ALCBUB2M32/ ALCBUB2M40S	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBCBM32	ALCSG4	ALCSG3L	ALCBIMBUPM32/ ALCBIMBUPM40S	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG4S
35	FNHC18	24.6	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM32/ ALCBUBM40S	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBUB2M32/ ALCBUB2M40S	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBCBM40	ALCSG5	ALCSG5S	ALCBIMBUPM40	ALCSG5	ALCSG5S
50	FNHC19	28	ALCHUW40-LTA50	ALCSG6	ALCSG6S	ALCBUBM40S	ALCSG4	ALCSG4S	ALCBUB2M40/ ALCBUB2M50S	ALCSG5	ALCSG4S/ ALCSG5S	ALCBCBM40/ ALCBCBM50	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBIMBUPM40	ALCSG5	ALCSG5S
70	FNHC20	32	ALCHUW50-LTA63	—	ALCSG6L	ALCBUBM40/ ALCBUBM50S	— / ALCSG5	ALCSG4S/ ALCSG5S	ALCBUB2M50S	ALCSG5	ALCSG5S	ALCBCBM50	ALCSG6	ALCSG6S	ALCBIMBUPM40	ALCSG5	ALCSG5S
95	FNHC22	37.6	ALCHUW50-LTA63	—	ALCSG6L	ALCBUBM50/ ALCBUBM63S	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCBUB2M50/ ALCBUB2M63S	— / ALCSG6	ALCSG6S/ ALCSG6S	—	—	—	ALCBIMBUPM50	ALCSG6	ALCSG6S
120	FNHP23	42.4	—	—	—	ALCBUBM50/ ALCBUBM63S	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCBUB2M63S/ ALCBUB2M75S	—	ALCSG6S/ ALCSG6L	—	—	—	ALCBIMBUPM50	ALCSG6	ALCSG6S
150	FNHP24	46.3	—	—	—	ALCBUBM63/ ALCBUBM75S	—	ALCSG6L/ ALCSG6L	ALCBUB2M63/ ALCBUB2M75S	—	ALCSG6S/ ALCSG6L	—	—	—	—	—	—
185	FNHP25	51.7	—	—	—	ALCBUBM63/ ALCBUBM75S	—	ALCSG6L/ ALCSG6L	ALCBUB2M75/ ALCBUB2M90S	—	ALCSG8S/ ALCSG8S	—	—	—	—	—	—
240	FNHP26	59.4	—	—	—	ALCBUBM75S	—	ALCSG6L	ALCHUB2M90	—	ALCSG9S	—	—	—	—	—	—
300	FNHP27	66.2	—	—	—	ALCBUBM75/ ALCBAB90S	—	ALCSG8S/ ALCSG8S	ALCHUB2M90	—	ALCSG9S	—	—	—	—	—	—

All dimensions in mm unless otherwise specified.

7.3 CABLE GLAND SELECTION GUIDE - 3C&E CABLE

7.3.2 CABLE GLANDS FOR XLPE/PVC ORANGE CIRCULAR 3C&E CABLE

OLEX CABLE DETAILS			ALCUW/ALCUA CABLE GLANDS			ALCBRGM BRASS CABLE GLANDS			ALCMG NYLON CABLE GLANDS			ALCMG-FF NYLON CABLE GLANDS			ALCHUW CABLE GLANDS			ALCHUW - H CABLE GLANDS			HOSE ID
CONDUCTOR CSA (mm²)	PART NO	CABLE DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		
				PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON	
16	FTHP15	18.6	ALCUW25/ ALCUA25	ALCSG3S/ ALCSG2L	ALCSG2LS/ ALCSG2LS	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	ALCMG32-FF	ALCSG3	ALCSG3S	ALCHUW25	ALCSG3	ALCSG3S	ALCHUW25-H	ALCSG3	ALCSG3S	25
25	FTHC17	20.8	ALCUW32/ ALCUA32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	ALCMG32-FF	ALCSG3	ALCSG3S	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
35	FTHC18	23.2	ALCUW32/ ALCUA32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	—	—	—	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
50	FTHC19	26.3	ALCUW40/ ALCUA32	ALCSG4/ ALCSG3	ALCSG4S/ ALCSG3S	ALCBRGM50	ALCSG5	ALCSG5S	ALCMG40	ALCSG5	ALCSG5S	—	—	—	ALCHUW40	ALCSG4	ALCSG4S	ALCHUW40-H	ALCSG4	ALCSG4S	38
70	FTHC20	30.5	ALCUW40/ ALCUA40	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBRGM50	ALCSG5	ALCSG5S	ALCMG40	ALCSG5	ALCSG5S	—	—	—	ALCHUW40	ALCSG4	ALCSG4S	ALCHUW40-H	ALCSG4	ALCSG4S	38
95	FTHC22	35.2	ALCUW50/ ALCUA50	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBRGM63	ALCSG6	ALCSG6S	ALCMG50	ALCSG5	ALCSG5S	—	—	—	ALCHUW50	ALCSG5	ALCSG5S	ALCHUW50-H	ALCSG5	ALCSG5S	50
120	FTHP23	40.3	ALCUW50/ ALCUA50	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBRGM63	ALCSG6	ALCSG6S	ALCMG63	ALCSG6	ALCSG6S	—	—	—	ALCHUW50	ALCSG5	ALCSG5S	ALCHUW50-H	ALCSG5	ALCSG5S	50
150	FTHP24	44.3	ALCUW63/ ALCUA50	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	—	—	—	—	—	—	—	—	—	ALCHUW63	—	ALCSG6L	—	—	—	—
185	FTHP25	49.7	ALCUW63	ALCSG6	ALCSG6S	—	—	—	—	—	—	—	—	—	ALCHUW63	—	ALCSG6L	—	—	—	—
240	FTHP26	56.8	ALCUW75	—	ALCSG7S	—	—	—	—	—	—	—	—	—	ALCHUW75	—	ALCSG7S	—	—	—	—
300	FTHP27	63.3	ALCUW75	—	ALCSG7S	—	—	—	—	—	—	—	—	—	ALCHUW75	—	ALCSG7S	—	—	—	—

OLEX CABLE DETAILS			ALCHUW - LTA CABLE GLANDS			ALCBUB CABLE GLANDS			ALCBUB2 CABLE GLANDS			ALCBCEB CABLE GLANDS			ALCBIMBUP CABLE GLANDS		
CONDUCTOR CSA (mm²)	PART NO	CABLE DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
				PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON
16	FTHP15	18.6	ALCHUW25-LTA32	ALCSG4	ALCSG4S	ALCBUBM25/ ALCBUBM32S	ALCSG3/ ALCSG3	ALCSG2S/ ALCSG3S	ALCBUB2M32/ ALCBUB2M40S	—	ALCSG4S/ ALCSG4S	ALCBCEBM32	ALCSG4	ALCSG3L	ALCBIMBUPM32S	ALCSG3	ALCSG3S
25	FTHC17	20.8	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM32S	ALCSG3	ALCSG3S	ALCBUB2M32/ ALCBUB2M40S	—	ALCSG4S/ ALCSG4S	ALCBCEBM32	ALCSG4	ALCSG3L	ALCBIMBUPM32/ ALCBIMBUPM40	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG4S
35	FTHC18	23.2	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM32/ ALCBUBM40S	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBUB2M32/ ALCBUB2M40S	—	ALCSG4S/ ALCSG4S	ALCBCEBM32/ ALCBCEBM40	ALCSG4/ ALCSG5	ALCSG3L/ ALCSG5S	ALCBIMBUPM32/ ALCBIMBUPM40	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG4S
50	FTHC19	26.3	ALCHUW40-LTA50	ALCSG6	ALCSG6S	ALCBUBM32/ ALCBUBM40S	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBUB2M40/ ALCBUB2M50S	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBCEBM40	ALCSG5	ALCSG5S	ALCBIMBUPM40/ ALCBIMBUPM50S	ALCSG4/ ALCSG6	ALCSG4S/ ALCSG5S
70	FTHC20	30.5	ALCHUW40-LTA50	ALCSG6	ALCSG6S	ALCBUBM40S/ ALCBABM50S	ALCSG4/ ALCSG5	ALCSG4S/ ALCSG5	ALCBUB2M50S	ALCSG6	ALCSG6S	ALCBCEBM40/ ALCBCEBM50	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBIMBUPM40/ ALCBIMBUPM50S	ALCSG4/ ALCSG6	ALCSG4S/ ALCSG5S
95	FTHC22	35.2	ALCHUW50-LTA63	ALCSG6	ALCSG6S	ALCBUBM50/ ALCBUBM63S	— / ALCSG6	ALCSG6S/ ALCSG6S	ALCBUB2M50/ ALCBUB2M63S	ALCSG6/ ****	ALCSG6S/ ALCSG6L	—	—	—	ALCBIMBUPM50	ALCSG6	ALCSG6S
120	FTHP23	40.3	ALCHUW50-LTA63	ALCSG6	ALCSG6S	ALCBUBM50/ ALCBUBM63S	— / ALCSG6	ALCSG6S/ ALCSG6S	ALCBUB2M63S	—	ALCSG6L	—	—	—	ALCBIMBUPM50	ALCSG6	ALCSG6S
150	FTHP24	44.3	—	—	—	ALCBUBM63S	ALCSG6	ALCSG6S	ALCBUB2M63/ ALCBUB2M75S	—	ALCSG7S/ ALCSG7S	—	—	—	—	—	—
185	FTHP25	49.7	—	—	—	ALCBUBM63/ ALCBUBM75S	—	ALCSG6L/ ALCSG6L	ALCBUB2M63/ ALCBUB2M75S	—	ALCSG7S/ ALCSG7S	—	—	—	—	—	—
240	FTHP26	56.8	—	—	—	ALCBUBM75S	—	ALCSG6L	ALCBUB2M75/ ALCBUB2M90S	—	ALCSG8S/ ALCSG8S	—	—	—	—	—	—
300	FTHP27	63.3	—	—	—	ALCBUBM75/ ALCBAB90S	—	ALCSG8S/ ALCSG8S	ALCBUB2M90	—	ALCSG9S	—	—	—	—	—	—

All dimensions in mm unless otherwise specified.

7.4 CABLE GLAND SELECTION GUIDE - 3C&E CABLE SWA

7.4.1 CABLE GLANDS FOR PVC/SWA/PVC ORANGE CIRCULAR 3C&E CABLE

OLEX CABLE DETAILS				ALCAW CABLE GLANDS			ALCHAW BARRIER GLANDS			ALCHAW CABLE GLANDS			ALCBAB CABLE GLANDS			ALCBAB2 CABLE GLANDS		
CONDUCTOR CSA (mm ²)	PART NO	OVERBEDDING DIA	OVERALL DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
					PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON
1.5	FNMP05	9.5	15	ALCAW16/ ALCAW20	ALCSG1/ ALCSG1L	ALCSG1S/ ALCSG2S	ALCHAW20-B/ ALCHAW20SB-B	ALCSG2/2	ALCSG2/2S	ALCHAW20/ ALCHAW20SB	ALCSG2/2	ALCSG2S/2S	ALCBABM16/ ALCBABM20	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBAB2M16/ ALCBAB2M20	ALCSG1/ ALCSG1	ALCSG1/ ALCSG1
2.5	FNMP07	10.9	16.3	ALCAW20	ALCSG2	ALCSG2S	ALCHAW20SB-B	ALCSG2	ALCSG2S	ALCHAW20SB	ALCSG2	ALCSG2S	ALCBABM20X	—	ALCSG2L	ALCBAB2M20L/ ALCBAB2M25	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S
4	FNMP09	12.6	18.7	ALCAW20L	—	ALCSG2LS	ALCHAW25A-B	ALCSG3	ALCSG2LS	ALCHAW25A	ALCSG3	ALCSG2LS	ALCBABM20L/ ALCBABM25	—	ALCSG2L/ ALCSG3L	ALCBAB2M20L/ ALCBAB2M25	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S
6	FNMP11	13.8	20	ALCAW20L	—	ALCSG2LS	ALCHAW25A-B	ALCSG3	ALCSG2LS	ALCHAW25A	ALCSG3	ALCSG2LS	ALCBABM25/ ALCBABM32S	—	ALCSG2L/ ALCSG3L	ALCBAB2M20L/ ALCBAB2M25	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S
10	FNMP13	15.9	22.1	ALCAW25	ALCSG3	ALCSG3S	ALCHAW25B-B	ALCSG3	ALCSG3S	ALCHAW25B	ALCSG3	ALCSG3S	ALCBABM25L/ ALCBABM32S	—	ALCSG3L/ ALCSG3L	ALCBAB2M25L/ ALCBAB2M32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S
16	FNMP15	18	24.9	ALCAW25L	ALCSG3	ALCSG3S	ALCHAW32A-B	ALCSG4	ALCSG3L	ALCHAW32A	ALCSG4	ALCSG3L	ALCBABM25L/ ALCBABM32S	—	ALCSG3L/ ALCSG3L	ALCBAB2M25L/ ALCBAB2M32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S
25	FNMC17	20.6	27.5	ALCAW32/ ALCAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32A-B/ ALCHAW32C-B	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG4S	ALCHAW32B/ ALCHAW32C	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG4S	ALCBABM32/ ALCBABM40S	—	ALCSG4S/ ALCSG4S	ALCBAB2M32L	ALCSG4	ALCSG3L
35	FNMC18	23	29.9	ALCAW32/ ALCAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32B-B/ ALCHAW32C-B	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32A/ ALCHAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBABM32/ ALCBABM40S	—	ALCSG4S/ ALCSG4S	ALCBAB2M32L/ ALCBAB2M40	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG4S
50	FNMC19	26.4	33.7	ALCAW32/ ALCAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32C-B/ ALCHAW40A-B	ALCSG4/ ALCSG5	ALCSG4S/ ALCSG5S	ALCHAW32C/ ALCHAW40A	ALCSG4/ ALCSG5	ALCSG4S/ ALCSG5S	ALCBABM40/ ALCBABM50S	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBAB2M40	ALCSG4	ALCSG4S
70	FNMC20	30.6	38.9	ALCAW40L	ALCSG6	ALCSG6S	ALCHAW40B-B/ ALCHAW40C-B	ALCSG4/ ALCSG6	ALCSG4S/ ALCSG6S	ALCHAW40B/ ALCHAW40C	ALCSG4/ ALCSG6	ALCSG4S/ ALCSG6S	ALCBABM40/ ALCBABM50S	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBAB2M40/ ALCBAB2M50	ALCSG4/ ALCSG5	ALCSG4S/ ALCSG5S
95	FNMC22	35.8	44.3	ALCAW50	ALCSG6	ALCSG6S	ALCHAW40C-B/ ALCHAW50A-B	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCHAW40C/ ALCHAW50A	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCBABM50/ ALCBABM63S	ALCSG6/ ****	ALCSG6S/ ALCSG6L	ALCBAB2M50	ALCSG5	ALCSG5S
120	FNMP23	40.4	49.2	ALCAW50	ALCSG6	ALCSG6S	ALCHAW50B-B	ALCSG6	ALCSG6S	ALCHAW50B	ALCSG6	ALCSG6S	ALCBABM63S	—	ALCSG6L	ALCBAB2M63	ALCSG6	ALCSG6S
150	FNMP24	44.5	54.5	ALCAW50L	ALCSG6	ALCSG6S	ALCHAW63A-B	—	ALCSG6L	ALCHAW63A	—	ALCSG6L	ALCBABM63/ ALCBABM75S	—	ALCSG7S/ ALCSG7S	ALCBAB2M63	ALCSG6	ALCSG6S
185	FNMP25	49.7	60.1	ALCAW63	—	ALCSG7S	ALCHAW63B-B	—	ALCSG7S	ALCHAW63B	—	ALCSG7S	ALCBABM75/ ALCBABM90S	—	ALCSG8S/ ALCSG8S	—	—	—
240	FNMP26	57.2	68.8	ALCAW75	—	ALCSG8S	ALCHAW75A-B	—	ALCSG8S	ALCHAW75A	—	ALCSG8S	ALCBABM75/ ALCBABM90S	—	ALCSG8S/ ALCSG8S	—	—	—
300	FNMP27	63.5	75.6	ALCAW90	—	ALCSG9S	ALCHAW90A-B	—	ALCSG9S	ALCHAW90A	—	ALCSG9S	ALCBABM90	—	ALCSG9S	—	—	—

All dimensions in mm unless otherwise specified.

7.4 CABLE GLAND SELECTION GUIDE - 3C&E CABLE SWA

7.4.2 CABLE GLANDS FOR XLPE/SWA/PVC ORANGE CIRCULAR 3C&E CABLE

OLEX CABLE DETAILS				ALCAW CABLE GLANDS			ALCHAW BARRIER GLANDS			ALCHAW CABLE GLANDS			ALCBAB CABLE GLANDS			ALCBAB2 CABLE GLANDS		
CONDUCTOR CSA (mm ²)	PART NO	OVERBEDDING DIA	OVERALL DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
					PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON
16	FTMP15	17	23.1	ALCAW25	ALCSG3	ALCSG3S	ALCHAW25B-B	ALCSG3	ALCSG3S	ALCHAW25B	ALCSG3	ALCSG3S	ALCBABM25L/ ALCBABM32S	—	ALCSG3L/ ALCSG3L	ALCBAB2M25L/ ALCBAB2M32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S
25	FTMC17	19.2	26.1	ALCAW25L	ALCSG3	ALCSG3S	ALCHAW32A-B	ALCSG4	ALCSG3L	ALCHAW32A	ALCSG4	ALCSG3L	ALCBABM32/ ALCBABM40S	—	ALCSG4S/ ALCSG4S	ALCBAB2M25L/ ALCBAB2M32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S
35	FTMC18	21.6	28.4	ALCAW32/ ALCAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32B-B/ ALCHAW32C-B	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32B/ ALCHAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBABM32/ ALCBABM40S	—	ALCSG4S/ ALCSG4S	ALCBAB2M32L	ALCSG4	ALCSG3L
50	FTMC19	24.7	31.8	ALCAW32/ ALCAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32B-B/ ALCHAW32C-B	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32B/ ALCHAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBABM32/ ALCBABM40S	—	ALCSG4S/ ALCSG4S	ALCBAB2M32L/ ALCBAB2M40	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG4S
70	FTMC20	29.1	37.4	ALCAW40L	ALCSG6	ALCSG6S	ALCHAW40B-B/ ALCHAW40C-B	ALCSG4/ ALCSG6	ALCSG4S/ ALCSG6S	ALCHAW40B/ ALCHAW40C	ALCSG4/ ALCSG6	ALCSG4S/ ALCSG6S	ALCBABM40/ ALCBABM50S	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBAB2M40/ ALCBAB2M50	ALCSG4/ ALCSG5	ALCSG4S/ ALCSG5S
95	FTMC22	33.6	42.1	ALCAW40L	ALCSG6	ALCSG6S	ALCHAW40C-B/ ALCHAW50A-B	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCHAW40C/ ALCHAW50A	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCBABM50S	ALCSG6	ALCSG6S	ALCBAB2M50	ALCSG5	ALCSG5S
120	FTMP23	38.5	47.2	ALCAW50	ALCSG6	ALCSG6S	ALCHAW50B-B	ALCSG6	ALCSG6S	ALCHAW50B	ALCSG6	ALCSG6S	ALCBABM50/ ALCBABM63S	ALCSG6/ *****	ALCSG6S/ ALCSG6L	ALCBAB2M50/ ALCBAB2M63	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S
150	FTMP24	42.5	52.6	ALCAW50L	ALCSG6	ALCSG6S	ALCHAW63A-B	—	ALCSG6L	ALCHAW63A	—	ALCSG6L	ALCBABM63S	—	ALCSG6L	ALCBAB2M63	ALCSG6	ALCSG6S
185	FTMP25	47.7	58	ALCAW63	—	ALCSG7S	ALCHAW63B-B	—	ALCSG7S	ALCHAW63B	—	ALCSG7S	ALCBABM63/ ALCBABM75S	—	ALCSG7S/ ALCSG7S	—	—	—
240	FTMP26	54.8	66.2	ALCAW63L	—	ALCSG7S	ALCHAW75A-B	—	ALCSG8S	ALCHAW75A	—	ALCSG8S	ALCBABM75/ ALCBABM90S	—	ALCSG8S/ ALCSG8S	—	—	—
300	FTMP27	60.9	72.7	ALCAW75	—	ALCSG8S	ALCHAW75B-B	—	ALCSG8S	ALCHAW75B	—	ALCSG8S	ALCBABM90	—	ALCSG9S	—	—	—

All dimensions in mm unless otherwise specified.

7.5 CABLE GLAND SELECTION GUIDE - 3C&E CABLE SCREENED

7.5.1 CABLE GLANDS FOR VAROLEX VSD/EMC TAPE SCREENED 3C&E CABLE

OLEX CABLE DETAILS				ALCEMC PREMIUM CABLE GLANDS			EMC STANDARD CABLE GLANDS			ALCBEB CABLE GLANDS - HAZ GII, GIII		
CONDUCTOR CSA (mm²)	PART NO	OVER SCREEN DIA	OVERALL DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
					PVC	SILICON		PVC	SILICON		PVC	SILICON
2.5	FTDP07	10.9	14.6	ALCEMC20	ALCSG3	ALCSG2LS	EMC25	ALCSG2	ALCSG2S	ALCBEBM25	ALCSG2	ALCSG2S
4	FTDP09	13	16.6	ALCEMC20	ALCSG3	ALCSG2LS	EMC32	ALCSG3	ALCSG2LS	ALCBEBM25	ALCSG2	ALCSG2S
6	FTDP11	13.8	17.5	ALCEMC25	ALCSG3	ALCSG3S	EMC32	ALCSG3	ALCSG2LS	ALCBEBM32	—	ALCSG2LS
10	FTDP13	14.8	18.5	ALCEMC25	ALCSG3	ALCSG3S	EMC32	ALCSG3	ALCSG2L	ALCBEBM32	—	ALCSG2LS
16	FTDP15	17	20.6	ALCEMC25	ALCSG3	ALCSG3S	EMC40	ALCSG4	ALCSG3L	ALCBEBM32	—	ALCSG2LS
25	FTDC17	19.2	22.8	ALCEMC32	ALCSG3	ALCSG3S	EMC40	ALCSG4	ALCSG3L	ALCBEBM32	—	ALCSG2LS
35	FTDC18	21.9	25.6	ALCEMC32	ALCSG3	ALCSG3S	EMC40	ALCSG4	ALCSG3L	ALCBEBM40	ALCSG4	ALCSG4S
50	FTDC19	25.1	28.8	ALCEMC40	ALCSG4	ALCSG4S	EMC50	ALCSG5	ALCSG5S	ALCBEBM40	ALCSG4	ALCSG4S
70	FTDC20	28.1	32	ALCEMC40	ALCSG4	ALCSG4S	EMC50	ALCSG5	ALCSG5S	ALCBEBM50	ALCSG5	ALCSG5S
95	FTDC22	33.9	38	ALCEMC50	ALCSG5	ALCSG5S	EMC63	ALCSG6	ALCSG6S	—	—	—
120	FTDP23	38.9	43.2	ALCEMC63	ALCSG6	ALCSG6S	EMC63	ALCSG6	ALCSG6S	—	—	—
150	FTDP24	42.6	47.3	ALCEMC63	ALCSG6	ALCSG6S	—	—	—	—	—	—
185	FTDP25	47.5	52	ALCEMC75A	—	ALCSG7S	—	—	—	—	—	—
240	FTDP26	53.6	58.9	ALCEMC75B	—	ALCSG7S	—	—	—	—	—	—
300	FTDP27	59.6	65.2	ALCEMC75C	—	ALCSG7S	—	—	—	—	—	—

OLEX CABLE DETAILS				ALCEMC PREMIUM CABLE GLANDS			EMC STANDARD CABLE GLANDS			ALCBEB CABLE GLANDS - HAZ GII, GIII		
CONDUCTOR CSA (mm²)	PART NO	OVER SCREEN DIA	OVERALL DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
					PVC	SILICON		PVC	SILICON		PVC	SILICON
1.5	GETR04	9.1	13.9	—	—	—	EMC25	ALCSG2	ALCSG2S	ALCBEBM25	ALCSG2	ALCSG2S
2.5	GETR05	10.2	15.2	ALCEMC20	ALCSG3	ALCSG2LS	EMC25	ALCSG2	ALCSG2S	ALCBEBM25	ALCSG2	ALCSG2S
6	FTTR07	13.8	18.7	ALCEMC25	ALCSG3	ALCSG3S	EMC32	ALCSG3	ALCSG2LS	ALCBEBM32	—	ALCSG2LS
10	FTTX01	15	20	ALCEMC25	ALCSG3	ALCSG3S	EMC40	ALCSG4	ALCSG3L	ALCBEBM32	—	ALCSG2LS
35	FTTX04	23.2	28.9	ALCEMC40	ALCSG4	ALCSG4S	—	—	—	ALCBEBM40	ALCSG4	ALCSG4S
50	FTTX05	27.1	32.9	ALCEMC40	ALCSG4	ALCSG4S	EMC50	ALCSG5	ALCSG5S	ALCBEBM50	ALCSG5	ALCSG4S
70	FTTX06	31.1	37.6	ALCEMC50	ALCSG5	ALCSG5S	EMC63	ALCSG6	ALCSG6S	—	—	—
95	FTTX07	35.2	41.9	ALCEMC50	ALCSG5	ALCSG5S	EMC63	ALCSG6	ALCSG6S	—	—	—

All dimensions in mm unless otherwise specified.

7.6 CABLE GLAND SELECTION GUIDE - 4C&E CABLE

7.6.1 CABLE GLANDS FOR PVC ORANGE CIRCULAR 4C&E CABLE

OLEX CABLE DETAILS			ALCUW/ALCUA CABLE GLANDS			ALCBRGM BRASS CABLE GLANDS			ALCMG NYLON CABLE GLANDS			ALCMG-FF NYLON CABLE GLANDS			ALCHUW CABLE GLANDS			ALCHUW - H CABLE GLANDS			
CONDUCTOR CSA (mm²)	PART NO	CABLE DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		HOSE ID
				PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON	
1.5	HNHP05	11.9	ALCUW20/ ALCUA20	ALCSG1/ ALCSG2	ALCSG1S/ ALCSG2S	ALCBRGM20	ALCSG1	ALCSG1S	ALCMG20	ALCSG2	ALCSG2S	ALCMG20L-FF	ALCSG2	ALCSG2S	ALCHUW20B	ALCSG3	ALCSG2LS	ALCHUW20B-H	ALCSG3	ALCSG2LS	19
2.5	HNHP07	13.3	ALCUW20/ ALCUA20	ALCSG1/ ALCSG2	ALCSG1S/ ALCSG2S	ALCBRGM25	ALCSG2	ALCSG2S	ALCMG20	ALCSG2	ALCSG2S	ALCMG25-FF	ALCSG2L	ALCSG2LS	ALCHUW20B	ALCSG3	ALCSG2LS	ALCHUW20B-H	ALCSG3	ALCSG2LS	19
4	HNHP09	15.3	ALCUW25/ ALCUA25	ALCSG3/ ALCSG2L	ALCSG2LS/ ALCSG2LS	ALCBRGM25	ALCSG2	ALCSG2S	ALCMG25	ALCSG3	ALCSG2LS	ALCMG25-FF	ALCSG2L	ALCSG2LS	ALCHUW25	ALCSG3	ALCSG3S	ALCHUW25-H	ALCSG3	ALCSG3S	25
6	HNHP11	16.5	ALCUW25/ ALCUA25	ALCSG3/ ALCSG2L	ALCSG2LS/ ALCSG2LS	ALCBRGM32	ALCSG3	ALCSG2LS	ALCMG25	ALCSG3	ALCSG2LS	ALCMG32-FF	ALCSG3	ALCSG3S	ALCHUW25	ALCSG3	ALCSG3S	ALCHUW25-H	ALCSG3	ALCSG3S	25
10	HNHP13	19.2	ALCUW25/ ALCUA25	ALCSG3/ ALCSG2L	ALCSG2LS/ ALCSG2LS	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	ALCMG32-FF	ALCSG3	ALCSG3S	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
16	HNHP15	21.5	ALCUW32/ ALCUA32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	—	—	—	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
25	HNHC17	24.5	ALCUW32/ ALCUA32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM50	ALCSG5	ALCSG5S	ALCMG40	ALCSG5	ALCSG5S	—	—	—	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
35	HNHC18	27.2	ALCUW40/ ALCUA40	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBRGM50	ALCSG5	ALCSG5S	ALCMG40	ALCSG5	ALCSG5S	—	—	—	ALCHUW40	ALCSG4	ALCSG4S	ALCHUW40-H	ALCSG4	ALCSG4S	38
50	HNHC19	31.2	ALCUW40/ ALCUA40	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBRGM50	ALCSG5	ALCSG5S	ALCMG50	ALCSG5	ALCSG5S	—	—	—	ALCHUW50	ALCSG5	ALCSG5S	ALCHUW50-H	ALCSG5	ALCSG5S	50
70	HNHC20	35.8	ALCUW50/ ALCUA50	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBRGM63	ALCSG6	ALCSG6S	ALCMG50	ALCSG5	ALCSG5S	—	—	—	ALCHUW50	ALCSG5	ALCSG5S	ALCHUW50-H	ALCSG5	ALCSG5S	50
95	HNHC22	42	ALCUW63/ ALCUA50	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCBRGM63	ALCSG6	ALCSG6S	ALCMG63	ALCSG6	ALCSG6S	—	—	—	ALCHUW63	—	ALCSG6L	—	—	—	—
120	HNHP23	47.5	ALCUW63	ALCSG6	ALCSG6S	—	—	—	—	—	—	—	—	—	ALCHUW63	—	ALCSG6L	—	—	—	—
150	HNHP24	51.8	ALCUW75	—	ALCSG7S	—	—	—	—	—	—	—	—	—	ALCHUW63	—	ALCSG6L	—	—	—	—
185	HNHP25	57.9	ALCUW75	—	ALCSG7S	—	—	—	—	—	—	—	—	—	ALCHUW75	—	ALCSG7S	—	—	—	—
240	HNHP26	66.9	ALCUW82	—	ALCSG8S	—	—	—	—	—	—	—	—	—	ALCHUW90	—	ALCSG9S	—	—	—	—
300	HNHP27	74.5	ALCUW82	—	ALCSG8S	—	—	—	—	—	—	—	—	—	ALCHUW90	—	ALCSG9S	—	—	—	—

All dimensions in mm unless otherwise specified.

7.6 CABLE GLAND SELECTION GUIDE - 4C&E CABLE

7.6.1 CABLE GLANDS FOR PVC ORANGE CIRCULAR 4C&E CABLE

OLEX CABLE DETAILS			ALCHUW - LTA CABLE GLANDS			ALCBUB CABLE GLANDS			ALCBUB2 CABLE GLANDS			ALCBCB CABLE GLANDS			ALCBIMBUP CABLE GLANDS		
CONDUCTOR CSA (mm ²)	PART NO	CABLE DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
				PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON
1.5	HNHP05	11.9	ALCHUW20BLTA25	ALCSG3	ALCSG2LS	ALCBUBM20/ ALCBUBM25S	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBUB2M16L/ ALCBUB2M20	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBCBM25	ALCSG3	ALCSG2LS	ALCBIMBUPM20	ALCSG2	ALCSG2S
2.5	HNHP07	13.3	ALCHUW20BLTA25	ALCSG3	ALCSG2LS	ALCBUBM20/ ALCBUBM25S	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBUB2M20L/ ALCBUB2M25	ALCSG2/ ALCSG3	ALCSG2S/ ALCSG2LS	ALCBCBM25	ALCSG3	ALCSG2LS	ALCBIMBUPM20	ALCSG2	ALCSG2S
4	HNHP09	15.3	ALCHUW25-LTA32	ALCSG4	ALCSG4S	ALCBUBM20/ ALCBUBM25S	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBUB2M25/ ALCBUB2M32S	ALCSG3/ ALCSG3	ALCSG2LS/ ALCSG3S	ALCBCBM25/ ALCBCBM32	ALCSG3/ ALCSG4	ALCSG2LS/ ALCSG3L	ALCBIMBUPM25	ALCSG3	ALCSG2LS
6	HNHP11	16.5	ALCHUW25-LTA32	ALCSG4	ALCSG4S	ALCBUBM25S/ ALCBUBM32S	ALCSG2/ ALCSG3	ALCSG2S/ ALCSG2L	ALCBUB2M25L/ ALCBUB2M32S	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBCBM25/ ALCBCBM32	ALCSG3/ ALCSG4	ALCSG2L/ ALCSG3L	ALCBIMBUPM25/ ALCBIMBUPM32S	ALCSG3/ ALCSG3	ALCSG2LS/ ALCSG3S
10	HNHP13	19.2	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM25/ ALCBUBM32S	ALCSG3/ ALCSG3	ALCSG2L/ ALCSG2L	ALCBUB2M25L/ ALCBUB2M32S	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBCBM32	ALCSG4	ALCSG3L	ALCBIMBUPM32S	ALCSG3	ALCSG3S
16	HNHP15	21.5	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM32S	ALCSG3	ALCSG2L	ALCBUB2M32/ ALCBUB2M40S	ALCSG5/ ALCSG5	ALCSG5S/ ALCSG5S	ALCBCBM32	ALCSG4	ALCSG3L	ALCBIMBUPM32/ ALCBIMBUPM40S	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG4S
25	HNHC17	24.5	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM32/ ALCBUBM40S	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG3L	ALCBUB2M32/ ALCBUB2M40S	ALCSG5/ ALCSG5	ALCSG5S/ ALCSG5S	ALCBCBM40	ALCSG5	ALCSG5S	ALCBIMBUPM40/ ALCBIMBUPM50S	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG5S
35	HNHC18	27.2	ALCHUW40-LTA50	ALCSG6	ALCSG6S	ALCBUBM32/ ALCBUBM40S	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG3L	ALCBUB2M40/ ALCBUB2M50S	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBCBM40/ ALCBCBM50	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBIMBUPM40/ ALCBIMBUPM50S	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG5S
50	HNHC19	31.2	ALCHUW50-LTA63	—	ALCSG6L	ALCBUBM40/ ALCBUBM50S	ALCSG4/ ALCSG5	ALCSG4S/ ALCSG5S	ALCBUB2M40/ ALCBUB2M50S	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBCBM40/ ALCBCBM50	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBIMBUPM50S	ALCSG6	ALCSG5S
70	HNHC20	35.8	ALCHUW50-LTA63	—	ALCSG6L	ALCBUBM50/ ALCBUBM63S	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCBUB2M50/ ALCBUB2M63S	ALCSG6 / —	ALCSG6S/ ALCSG6L	—	—	—	ALCBIMBUPM50	ALCSG6	ALCSG6S
95	HNHC22	42	—	—	—	ALCBUBM50/ ALCBUBM63S	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCBUB2M63S/ ALCBUB2M75S	—	ALCSG6L/ ALCSG7S	—	—	—	ALCBIMBUPM50	ALCSG6	ALCSG6S
120	HNHP23	47.5	—	—	—	ALCBUBM63/ ALCBUBM75S	—	ALCSG6L/ ALCSG6L	ALCBUB2M63/ ALCBUB2M75S	—	ALCSG7S/ ALCSG7S	—	—	—	—	—	—
150	HNHP24	51.8	—	—	—	ALCBUBM63/ ALCBUBM75S	—	ALCSG6L/ ALCSG6L	ALCBUB2M75/ ALCBUB2M90S	—	ALCSG8S/ ALCSG8S	—	—	—	—	—	—
185	HNHP25	57.9	—	—	—	ALCBUBM75S	—	ALCSG6L	ALCBUB2M75/ ALCBUB2M90S	—	ALCSG8S/ ALCSG8S	—	—	—	—	—	—
240	HNHP26	66.9	—	—	—	ALCBUBM75/ ALCBAB90S	—	ALCSG8S/ ALCSG8S	ALCHUB2M90	—	ALCSG9S	—	—	—	—	—	—
300	HNHP27	74.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

All dimensions in mm unless otherwise specified.

7.6 CABLE GLAND SELECTION GUIDE - 4C&E CABLE

7.6.2 CABLE GLANDS FOR PVC ORANGE CIRCULAR 4C&E CABLE

OLEX CABLE DETAILS			ALCUW/ALCUA CABLE GLANDS			ALCBRGM BRASS CABLE GLANDS			ALCMG NYLON CABLE GLANDS			ALCMG-FF NYLON CABLE GLANDS			ALCHUW CABLE GLANDS			ALCHUW - H CABLE GLANDS			HOSE ID
CONDUCTOR CSA (mm²)	PART NO	CABLE DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		
				PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON	
16	HTHP15	20.4	ALCUW32/ ALCUA32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	ALCMG32-FF	ALCSG3	ALCSG3S	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
25	HTHC17	22.9	ALCUW32/ ALCUA32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM40	ALCSG4	ALCSG3L	ALCMG32	ALCSG4	ALCSG3L	—	—	—	ALCHUW32	ALCSG4	ALCSG3L	ALCHUW32-H	ALCSG4	ALCSG3L	32
35	HTHC18	25.5	ALCUW32/ ALCUA32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S	ALCBRGM50	ALCSG5	ALCSG5S	ALCMG40	ALCSG5S	ALCSG5S	—	—	—	ALCHUW40	ALCSG4	ALCSG4S	ALCHUW40-H	ALCSG4	ALCSG4S	38
50	HTHC19	29.3	ALCUW40/ ALCUA40	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBRGM50	ALCSG5	ALCSG5S	ALCMG40	ALCSG5S	ALCSG5S	—	—	—	ALCHUW40	ALCSG4	ALCSG4S	ALCHUW40-H	ALCSG4	ALCSG4S	38
70	HTHC20	34	ALCUW50/ ALCUA40	ALCSG5/ ALCSG4	ALCSG5S/ ALCSG4S	ALCBRGM63	ALCSG6	ALCSG6S	ALCMG50	ALCSG5	ALCSG5S	—	—	—	ALCHUW50	ALCSG5	ALCSG5S	ALCHUW50-H	ALCSG5	ALCSG5S	50
95	HTHC22	39.3	ALCUW50/ ALCUA50	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBRGM63	ALCSG6	ALCSG6S	ALCMG63	ALCSG6	ALCSG6S	—	—	—	ALCHUW50	ALCSG5	ALCSG5S	ALCHUW50-H	ALCSG5	ALCSG5S	50
120	HTHP23	45.2	ALCUW63	ALCSG6	ALCSG6S	—	—	—	—	—	—	—	—	—	ALCHUW63	—	ALCSG6L	—	—	—	—
150	HTHP24	49.5	ALCUW63	ALCSG6	ALCSG6S	—	—	—	—	—	—	—	—	—	ALCHUW63	—	ALCSG6L	—	—	—	—
185	HTHP25	55.7	ALCUW75	—	ALCSG7S	—	—	—	—	—	—	—	—	—	ALCHUW75	—	ALCSG7S	—	—	—	—
240	HTHP26	63.5	ALCUW75	—	ALCSG7S	—	—	—	—	—	—	—	—	—	ALCHUW75	—	ALCSG7S	—	—	—	—
300	HTHP27	71.2	ALCUW82	—	ALCSG8S	—	—	—	—	—	—	—	—	—	ALCHUW90	—	ALCSG9S	—	—	—	—

OLEX CABLE DETAILS			ALCHUW - LTA CABLE GLANDS			ALCBUB CABLE GLANDS			ALCBUB2 CABLE GLANDS			ALCBCB CABLE GLANDS			ALCBIMBUP CABLE GLANDS		
CONDUCTOR CSA (mm²)	PART NO	CABLE DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
				PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON
16	HTHP15	20.4	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM32S	ALCSG3	ALCSG3S	ALCBUB2M32/ALCBUB2M40S	ALCSG5/ALCSG5	ALCSG5S/ALCSG5S	ALCBCBM32	ALCSG4	ALCSG3L	ALCBIMBUPM32/ALCBIMBUPM40S	ALCSG4/ALCSG4	ALCSG3L/ALCSG4S
25	HTHC17	22.9	ALCHUW32-LTA40	ALCSG5	ALCSG5S	ALCBUBM32S/ALCBUBM40S	ALCSG3/ALCSG4	ALCSG3S/ALCSG4S	ALCBUB2M32/ALCBUB2M40S	ALCSG5/ALCSG5	ALCSG5S/ALCSG5S	ALCBCBM32/ALCBCBM40	ALCSG4/ALCSG4	ALCSG3L/ALCSG4S	ALCBIMBUPM32/ALCBIMBUPM40S	ALCSG4/ALCSG4	ALCSG3L/ALCSG4S
35	HTHC18	25.5	ALCHUW40-LTA50	ALCSG6	ALCSG6S	ALCBUBM32/ALCBUBM40S	ALCSG4/ALCSG4	ALCSG4S/ALCSG4S	ALCBUB2M40/ALCBUB2M50S	ALCSG5/ALCSG6	ALCSG5S/ALCSG6S	ALCBCBM40	ALCSG5	ALCSG5S	ALCBIMBUPM40/ALCBIMBUPM50S	ALCSG4/ALCSG6	ALCSG4S/ALCSG6S
50	HTHC19	29.3	ALCHUW40-LTA50	ALCSG6	ALCSG6S	ALCBUBM40S/ALCBUBM50S	ALCSG4/ALCSG5	ALCSG4S/ALCSG5S	ALCBUB2M40/ALCBUB2M50S	ALCSG5/ALCSG6	ALCSG5S/ALCSG6S	ALCBCBM40/ALCBCBM50	ALCSG5/ALCSG6	ALCSG5S/ALCSG6S	ALCBIMBUPM40/ALCBIMBUPM50S	ALCSG4/ALCSG6	ALCSG4S/ALCSG6S
70	HTHC20	34	ALCHUW50-LTA63	—	ALCSG6L	ALCBUBM50S	ALCSG5	ALCSG5S	ALCBUB2M50	ALCSG6	ALCSG6S	ALCBCBM50	ALCSG6	ALCSG6S	ALCBIMBUPM50	ALCSG6	ALCSG6S
95	HTHC22	39.3	ALCHUW50-LTA63	—	ALCSG6L	ALCBUBM50/ALCBUBM63S	— / ALCSG6	ALCSG6S/ALCSG6S	ALCBUB2M50/ALCBUB2M63S	ALCSG6/ALCSG6	ALCSG6S/ALCSG6L	—	—	—	—	—	—
120	HTHP23	45.2	—	—	—	—	—	—	ALCBUB2M63/ALCBUB2M75S	—	ALCSG7S/ALCSG7S	—	—	—	—	—	—
150	HTHP24	49.5	—	—	—	ALCBUBM63/ALCBUBM75S	—	ALCSG5L/ALCSG6L	ALCBUB2M63/ALCBUB2M75S	—	ALCSG7S/ALCSG7S	—	—	—	—	—	—
185	HTHP25	55.7	—	—	—	ALCBUBM75S	—	ALCSG6L	ALCBUB2M75	—	ALCSG8S	—	—	—	—	—	—
240	HTHP26	63.5	—	—	—	ALCBUBM75/ALCBAB90S	—	ALCSG8S/ALCSG8S	ALCBUB2M90	—	ALCSG8S/ALCSG9S	—	—	—	—	—	—
300	HTHP27	71.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

All dimensions in mm unless otherwise specified.

7.7 CABLE GLAND SELECTION GUIDE - 4C&E CABLE SWA

7.7.1 CABLE GLANDS FOR PVC/SWA/PVC ORANGE CIRCULAR 4C&E CABLE

OLEX CABLE DETAILS				ALCAW CABLE GLANDS			ALCHAW BARRIER GLANDS			ALCHAW CABLE GLANDS			ALCBAB CABLE GLANDS			ALCBAB2 CABLE GLANDS		
CONDUCTOR CSA (mm ²)	PART NO	OVERBEDDING DIA	OVERALL DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
					PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON
1.5	HNMP05	10.4	15.9	ALCAW20	ALCSG2	ALCSG2S	ALCHAW20SB-B	ALCSG2S	ALCSG2S	ALCHAW20SB	ALCSG2	ALCSG2S	ALCBABM16/ ALCBABM20	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S	ALCBAB2M20L/ ALCBAB2M25	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S
2.5	HNMP07	11.9	17.3	ALCAW20	ALCSG2	ALCSG2S	ALCHAW205B-B	ALCSG2	ALCSG2S	ALCHAW20SB	ALCSG2	ALCSG2S	ALCBABM20X	-	ALCSG2LS	ALCBAB2M20L/ ALCBAB2M25	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S
4	HNMP09	13.8	20	ALCAW20L	-	ALCSG2LS	ALCHAW25A-B	ALCSG3	ALCSG2LS	ALCHAW25A	ALCSG3	ALCSG2LS	ALCBABM25	-	ALCSG2LS	ALCBAB2M20L/ ALCBAB2M25	ALCSG2/ ALCSG2	ALCSG2S/ ALCSG2S
6	HNMP11	15.2	21.4	ALCAW20UR	ALCSG3	ALCSG2LS	ALCHAW25B-B	ALCSG3	ALCSG3S	ALCHAW25B	ALCSG3	ALCSG3S	ALCBABM25L/ ALCBABM32S	-	ALCSG3S/ ALCSG3L	ALCBAB2M25L/ ALCBAB2M32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S
10	HNMP13	17.6	24.4	ALCAW25	ALCSG3	ALCSG3S	ALCHAW32A-B	ALCSG4	ALCSG3L	-	-	-	ALCBABM25L/ ALCBABM32S	-	ALCSG3S/ ALCSG3L	ALCBAB2M25L/ ALCBAB2M32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S
16	HNMP15	19.9	26.8	ALCAW25L	ALCSG3	ALCSG3S	ALCHAW32A-B	ALCSG4	ALCSG3L	ALCHAW32A	ALCSG4	ALCSG3L	ALCBABM32/ ALCBABM40S	-	ALCSG4S/ ALCSG4S	ALCBAB2M25L/ ALCBAB2M32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S
25	HNMC17	22.9	29.8	ALCAW32/ ALCAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32B-B/ ALCHAW32C-B	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32B/ ALCHAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBABM32/ ALCBABM40S	-	ALCSG4S/ ALCSG4S	ALCBAB2M32L	ALCSG4	ALCSG3L
35	HNMC18	25.6	32.6	ALCAW32/ ALCAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32C-B/ ALCHAW40A-B	ALCSG4/ ALCSG4S	ALCSG4S/ ALCSG5S	ALCHAW32C/ ALCHAW40A	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBABM32/ ALCBABM40S	-	ALCSG4S/ ALCSG4S	ALCBAB2M32L/ ALCBAB2M40	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG4S
50	HNMC19	29.8	38.1	ALCAW40L	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCHAW40B-B/ ALCHAW40C-B	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCHAW40B/ ALCAW40C	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBABM40/ ALCBABM50S	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBAB2M40	ALCSG4	ALCSG4S
70	HNMC20	34	42.5	ALCAW40L	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCHAW40C-B/ ALCHAW50A-B	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCHAW40C/ ALCHAW50A	ALCSG6/ ALCSG6	ALCSG6S/ ALCSG6S	ALCBABM50	ALCSG6	ALCSG6S	ALCBAB2M50	ALCSG5	ALCSG5S
95	HNMC22	40	48.8	ALCAW50	ALCSG6	ALCSG6S	ALCHAW50B-B	ALCSG6	ALCSG6S	ALCHAW50B	ALCSG6	ALCSG6S	ALCBABM50/ ALCBABM63S	ALCSG6/ *****	ALCSG6S/ ALCSG6L	ALCBAB2M63	ALCSG6	ALCSG6S
120	HNMP23	45.5	55.8	ALCAW50L	ALCSG6	ALCSG6S	ALCHAW63A-B	-	ALCSG6L	ALCHAW63A	-	ALCSG6L	ALCBABM63/ ALCBABM75S	-	ALCSG7S/ ALCSG7S	ALCBAB2M63	ALCSG6	ALCSG6S
150	HNMP24	49.6	60.1	ALCAW63	-	ALCSG7S	ALCHAW63B-B	-	ALCSG7S	ALCHAW63B	-	ALCSG7S	ALCBABM75/ ALCBABM90S	-	ALCSG8S/ ALCSG8S	-	-	-
185	HNMP25	55.7	67.4	ALCAW63L	-	ALCSG7S	ALCHAW75A-B	-	ALCSG8S	ALCHAW75A	-	ALCSG8S	ALCBABM75/ ALCBABM90S	-	ALCSG8S/ ALCSG8S	-	-	-
240	HNMP26	64.3	76.3	ALCAW90	-	ALCSG9S	ALCHAW90A-B	-	ALCSG9S	ALCHAW90A	-	ALCSG9S	ALCBABM90	-	ALCSG9S	-	-	-
300	HNMP27	71.8	85.8	ALCAW90	-	ALCSG9S	ALCHAW90B-B	-	ALCSG9S	ALCHAW90B	-	ALCSG9S	-	-	-	-	-	-

All dimensions in mm unless otherwise specified.

7.7 CABLE GLAND SELECTION GUIDE - 4C&E CABLE SWA

7.7.2 CABLE GLANDS FOR XLPE/SWA/PVC ORANGE CIRCULAR 4C&E CABLE

OLEX CABLE DETAILS				ALCAW CABLE GLANDS			ALCHAW BARRIER GLANDS			ALCHAW CABLE GLANDS			ALCBAB CABLE GLANDS			ALCBAB2 CABLE GLANDS		
CONDUCTOR CSA (mm²)	PART NO	OVERBEDDING DIA	OVERALL DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
					PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON		PVC	SILICON
16	HTMP15	18.8	25.6	ALCAW25	ALCSG3	ALCSG3S	ALCHAW32A-B	ALCSG3	ALCSG3L	ALCHAW32A	ALCSG3	ALCSG3L	ALCBABM32/ ALCBABM40S	—	ALCSG4S/ ALCSG4S	ALCBAB2M25L/ ALCBAB2M32	ALCSG3/ ALCSG3	ALCSG3S/ ALCSG3S
25	HTMC17	21.3	28.2	ALCAW32/ ALCAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32B-B/ ALCHAW32C-B	ALCSG4S/ ALCSG4S	ALCSG4S/4	ALCHAW32C	ALCSG4	ALCSG4S	ALCBABM32/ ALCBABM40S	—	ALCSG4S/ ALCSG4S	ALCBAB2M32L	ALCSG4	ALCSG3L
35	HTMC18	23.9	31	ALCAW32/ ALCAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCHAW32B-B/ ALCHAW32C-B	ALCSG4S/ ALCSG4S	ALCSG4S/4	ALCHAW32B/ ALCHAW32C	ALCSG4/ ALCSG4	ALCSG4S/ ALCSG4S	ALCBABM32/ ALCBABM40S	—	ALCSG4S/ ALCSG4S	ALCBAB2M32L/ ALCBAB2M40	ALCSG4/ ALCSG4	ALCSG3L/ ALCSG4S
50	HTMC19	27.5	35.5	ALCAW40/ ALCAW40C	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCHAW40A-B/ ALCHAW40C-B	ALCSG5S/ ALCSG5G	ALCSG5S/6	ALCHAW40A	ALCSG4S	ALCSG4S	ALCBABM40/ ALCBABM50S	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBAB2M40	ALCSG4	ALCSG4S
70	HTMC20	32.4	40.9	ALCAW40/ ALCAW40C	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCHAW40B-B/ ALCHAW40C-B	ALCSG5S/ ALCSG6S	ALCSG5S/6	ALCHAW40B/ ALCHAW40C	ALCSG5/ ALCSG6	ALCSG5S/ ALCSG6S	ALCBABM50S	ALCSG6	ALCSG6S	ALCBAB2M50	ALCSG5	ALCSG5S
95	HTMC22	37.5	46.1	ALCAW50	ALCSG6	ALCSG6S	ALCHAW50B-B	ALCSG6S	ALCSG6S	ALCHAW50B	ALCSG6	ALCSG6S	ALCBABM50/ ALCBABM63S	ALCSG6/ *****	ALCSG6S/ ALCSG6L	ALCBAB2M50	ALCSG5	ALCSG5S
120	HTMP23	43.4	53.5	ALCAW50L	ALCSG6	ALCSG6S	ALCHAW63A-B	—	ALCSG6L	ALCHAW63A	—	ALCSG6L	ALCBABM63S	—	ALCSG6L	ALCBAB2M63	ALCSG6	ALCSG6S
150	HTMP24	47.5	57.7	ALCAW63	—	ALCSG7S	ALCHAW63B-B	—	ALCSG7S	ALCHAW63B	—	ALCSG7S	ALCBABM63/ ALCBABM75S	—	ALCSG7S/ ALCSG7S	—	—	—
185	HTMP25	53.7	64.4	ALCAW63L	—	ALCSG7S	ALCHAW75A-B	—	ALCSG8S	ALCHAW75A	—	ALCSG8S	ALCBABM75/ ALCBABM90S	—	ALCSG8S/ ALCSG8S	—	—	—
240	HTMP26	61.1	73	ALCAW75	—	ALCSG8S	ALCHAW75B-B	—	ALCSG8S	ALCHAW75B	—	ALCSG8S	ALCBABM90	—	ALCSG9S	—	—	—
300	HTMP27	68.4	80.7	ALCAW90	—	ALCSG9S	ALCHAW90B-B	—	ALCSG9S	ALCHAW90A	—	ALCSG9S	—	—	—	—	—	—

All dimensions in mm unless otherwise specified.

7.8 CABLE GLAND SELECTION GUIDE - 4C&E CABLE SCREENED

7.8.1 CABLE GLANDS FOR VERSOLEX HD BRAID SCREENED 4C&E CABLE

OLEX CABLE DETAILS				ALCEMC PREMIUM CABLE GLANDS			EMC STANDARD CABLE GLANDS			ALCBEB CABLE GLANDS - HAZ GII, GIII		
CONDUCTOR CSA (mm ²)	PART NO	UNDER SCREEN DIA	OVERALL DIA	GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO		GLAND PART NO	SHROUD PART NO	
					PVC	SILICON		PVC	SILICON		PVC	SILICON
1.5	BWTR04	10.1	15.1	ALCEMC20	ALCSG3	ALCSG2LS	EMC25	ALCSG2	ALCSG2S	ALCBEBM25	ALCSG2	ALCSG2S
2.5	BWTR05	11.4	16.6	ALCEMC20	ALCSG3	ALCSG2LS	EMC25	ALCSG2	ALCSG2	ALCBEBM25	ALCSG2	ALCSG2S
4	BWTR06	12.8	18.4	—	—	—	EMC32	ALCSG3	ALCSG3S	ALCBEBM32	ALCSG3	ALCSG2LS
6	BWTR07	15.6	21.1	ALCEMC25	ALCSG3	ALCSG3S	EMC32	ALCSG3	ALCSG3S	ALCBEBM32	ALCSG3	ALCSG2LS
10	BWTR01	17.2	22.5	—	—	—	EMC32	ALCSG3	ALCSG3S	ALCBEBM32	ALCSG3	ALCSG2LS
16	BWTR02	21.7	26.4	—	—	—	EMC40	ALCSG4	ALCSG4S	ALCBEBM40	ALCSG4	ALCSG3L
25	BWTR03	24.9	30.1	ALCEMC40	ALCSG4	ALCSG4S	EMC40	ALCSG4	ALCSG4S	ALCBEBM40/ ALCBEBM50	ALCSG4/ALCSG5	ALCSG3L/ALCSG5S
35	BWTR04	28.5	33.7	—	—	—	EMC50	ALCSG5	ALCSG5S	ALCBEBM50	ALCSG5	ALCSG5S
50	BWTR05	33.7	39.9	ALCEMC50	ALCSG5	ALCSG5S	EMC63	ALCSG6	ALCSG6S	—	—	—
70	BWTR06	38.4	43.9	ALCEMC63	ALCSG6	ALCSG6S	EMC63L	ALCSG6	ALCSG6S	—	—	—

All dimensions in mm unless otherwise specified.

7.9 CLASSIFICATION CODES FOR ANACONDA CONDUIT

ACCORDING TO IEC61386-1/23

1st digit: compression resistance — 2" BLOCK 60 SEC. ALLOW FOR 10% REDUCTION

- 1 – Very light (125 N) = 28.101 LB/F.
- 2 – Light (320 N) = 71.938 LB/F.
- 3 – Medium (750 N) = 168.606 LB/F.
- 4 – Heavy (1.250 N) = 281.011 LB/F.
- 5 – Very heavy (4.000 N) = 899.235 LB/F.

2nd digit: impact resistance

- 1 – Very light (0,5 joule = 0,5 kg from 100 mm) = 0.3687 FT/LB – 1.1023 LBS @ 3.937"
- 2 – Light (1 joule = 1 kg from 100 mm) = 0.7375 FT/LB – 2.20462 LBS @ 3.937"
- 3 – Medium (2 joule = 2 kg from 100 mm) = 1.4751 FT/LB – 4.4092 LBS @ 3.937"
- 4 – Heavy (6 joule = 2 kg from 300 mm) = 4.4253 FT/LB – 4.4092 LBS @ 11.811"
- 5 – Very heavy (20,4 joule = 6,8 kg from 300 mm) = 15.046 FT/LB – 14.991 LBS @ 11.811"

3rd digit: minimum permanent application and installation temperature

- 1 – (+ 5°C) = + 41°F
- 2 – (- 5°C) = + 23°F
- 3 – (-15°C) = + 5°F
- 4 – (-25°C) = + 13°F
- 5 – (-45°C) = + 49°F

4th digit: maximum permanent application and installation temperature

- 1 – (+ 60°C) = + 140°F
- 2 – (+ 90°C) = + 194°F
- 3 – (+105°C) = + 221°F
- 4 – (+120°C) = + 248°F
- 5 – (+150°C) = + 302°F
- 6 – (+250°C) = + 482°F
- 7 – (+400°C) = + 752°F

5th digit: resistance to bending

- 1 – Rigid
- 2 – Pliable
- 3 – Pliable / Self-recovering
- 4 – Flexible

6th digit: electrical properties

- 0 – Non declared
- 1 – With electrical continuity characteristics
- 2 – With electrical insulating characteristics
- 3 – With electrical continuity and insulating characteristics

7th digit: resistance to ingress of solid objects

- 1 – Protected against solid foreign objects of 50 mm. dia. and greater = 1.968" DIA
- 2 – Protected against solid foreign objects of 12,5 mm. dia. and greater = 0.4921" DIA
- 3 – Protected against solid foreign objects of 2,5 mm. dia. and greater = 0.0984" DIA
- 4 – Protected against solid foreign objects of 1,0 mm. dia. and greater = 0.03937" DIA
- 5 – Dust protected
- 6 – Dust – tight

8th digit: resistance to ingress of water

- 0 – Non declared
- 1 – Protected against vertically falling water drops
- 2 – Protected against vertically falling water drops when conduit system tilted up to 15°
- 3 – Protected against spraying water
- 4 – Protected against splashing water
- 5 – Protected against water jets
- 6 – Protected against powerful water jets
- 7 – Protected against the effects of temporary immersion in water

9th digit: corrosion resistance of metallic and composite conduit systems

- 1 – Low protection inside and outside
- 2 – Medium protection inside and outside
- 3 – Medium protection inside, high protection outside
- 4 – High protection inside and outside

10th digit: tensile strength

- 0 – None declared
- 1 – Very light tensile strength (100N) = 22.480 LB/F.
- 2 – Light tensile strength (250N) = 56.202 LB/F.
- 3 – Medium tensile strength (500N) = 112.404 LB/F.
- 4 – Heavy tensile strength (1000N) = 224.808 LB/F.
- 5 – Very heavy tensile strength (2500N) = 562.002 LB/F.

11th digit: resistance to flame propagation

- 1 – Non-flame propagating
- 2 – Flame propagating

12th digit: suspended load capacity

- 0 – None declared
- 1 – Very light suspended load capacity (20N for 48h) = 4.496 FT.LB
- 2 – Light suspended load capacity (30N for 48h) = 6.744 FT.LB
- 3 – Medium suspended load capacity (150N for 48h) = 33.72 FT.LB
- 4 – Heavy suspended load capacity (450N for 48h) = 101.164 FT.LB
- 5 – Very heavy suspended load capacity (850N for 48h) = 191.087 FT.LB

7.10 CHEMICAL RESISTANCE CHART

ANACONDA SEALTITE®

The listed chemicals have been tested with results noted below. It is recommended that samples of conduit should be tested under actual conditions wherever possible, since results may differ from test conditions.

- 1- Excellent Continuous Service 2- Good Intermittent Service 3- Fair Limited Service Life 4- Poor Do not use

CHEMICAL	%	JACKET MATERIAL		
		TPR	TPU	PVC
Acetate Solvents				4
Acetic Acid	10		2	2
Acetic Acid (Glacial)		4		3
Acetone		2	4	4
Acrylonitrile				1
Alcohols (Aliphatic)				3
Aluminum Chloride	10	2	2	1
Aluminum Sulfate (Alums)		2		1
Ammonia (Anhydrous Liquids)				4
Ammonia (Aqueous)				1
Ammoniated Latex				1
Ammonium Chloride	10	2	2	1
Ammonium Hydroxide		2		1
Amyl Acetate		4		4
Aniline Oils			4	4
Aromatic Hydrocarbons				4
Asphalt		4		4
ASTM Fuel A			2	3
ASTM Fuel B		4	2	4
ASTM # 1 Oil		4	2	2
ASTM # 3 Oil		4	2	3
Barium Chloride				1
Barium Sulfide				1
Barium Hydroxide				1
Benzene (Benzol)		4	4	4
Benzine (Petroleum Ether)			4	3
Black Liquor				1
Bordeaux Mixture				1
Boric Acid			2	1
Butyl Acetate		4	4	4
Butyl Alcohol		2	4	2
Calcium Hydroxide				1
Calcium Hypochlorite				1
Carbolic Acid (Phenol)		4		2
Carbon Dioxide		2		1
Carbon Disulfide		4		4
Carbon Tetrachloride			4	4
Carbonic Acid				1
Casein				1
Caustic Soda	10	2	1	1
Chlorine Gas (wet)		2		4
Chlorine Gas (dry)		2		4
Chlorine (water solution)				3
Chlorobenzene		4	4	4
Chlorinated Hydrocarbons				4

CHEMICAL	%	JACKET MATERIAL		
		TPR	TPU	PVC
Chromic Acid	10	2	4	2
Citric Acid			2	1
Coal Tar				4
Coconut Oil				3
Corn Oil				1
Cottonseed Oil				3
Creosote		4		4
Cresol				3
Cresylic Acid				4
Cyclohexane			4	2
DDT Weed Killer		4		1
Dibutyl Phthalate		4		4
Diesel Oils		4		3
Diethylene Glycol			2	2
Diethyl Ether				1
Di-isodecyl Phthalate				4
Dioctyl Phthalate			1	4
Dow General Weed Killer (Phenol)				4
Dow General Weed Killer (H2O)				2
Ethyl Alcohol		1	4	3
Ethylene Dichloride		4		4
Ethylene Glycol	50		2	2
Ferric Chloride	10	1	2	1
Ferric Sulfate		1		1
Ferrous Chloride		2		1
Ferrous Sulfate		1		1
Formaldehyde		1		4
Fuel Oil		4		2
Furfural		4		3
Gallic Acid				1
Gasoline (Hi Test)		4	4	3
Glycerine		2	1	1
Grease			1	1
Green Sulfate Liquor				1
Heptachlor in Petroleum Solvents				1
Heptane		4	2	3
Hexane		4	2	3
Hydrobromic Acid		2	1	1
Hydrochloric Acid	10	2		1
Hydrochloric Acid	40			3
Hydrochloric Acid	70			4
Hydrofluoroboric Acid				1
Hydrofluorosilicic Acid		4		1
Hydrogen Peroxide	10	2	1	1
Iso-octane		4		3

CHEMICAL	%	JACKET MATERIAL		
		TPR	TPU	PVC
Isopropyl Acetate				4
Isopropyl Alcohol		4	1	2
Jet Fuels (JP-3,4 and 5)				3
Kerosene		4	2	3
Ketones		4		4
Linseed Oil		4		1
Lubricating Oils				1
Magnesium Chloride	30	1	2	1
Magnesium Hydroxide		1		1
Magnesium Sulfate				1
Malathion 50 in Aromatics				4
Malic Acid				1
Methyl Acetate		4	4	4
Methyl Alcohol			4	3
Methyl Bromide				4
Methyl Ethyl Ketone			4	4
Methylene Chloride		4	4	4
Mineral Oil			2	1
Monochlorobenzene		4		4
Muriatic Acid (See Hydrochloric Acid)		2		-
Naphtha		4	1	3
Naphthalene		4		4
Nitric Acid	10	2	4	1
Nitric Acid	35	2		1
Nitric Acid	70	4		4
Oleic Acid				1
Oleum				4
Oxalic Acid		1		1
Pentachlorophenol in Oil				2
Pentane		4		3
Perchloroethylene		4	4	4
Petroleum Ether		4		3
Phenol		4		2
Phosphoric Acid	85	2	4	1
Pitch				2
Potassium Hydroxide		2		1
Propyl Alcohol		2		2
Ritchfield "A" Weed Killer				3
Sea Water		1	1	1
Sodium Hydroxide	10	1	2	1
Sodium Hydroxide	50		4	1
Soybean Oil				3
Sodium Cyanide				1
Stoddard Solvent				4
Styrene				4

CHEMICAL	%	JACKET MATERIAL		
		TPR	TPU	PVC
Sulfur Dioxide (Liquid)		4		4
Sulfuric Acid	50	1	2	1
Sulfuric Acid	98	2		4
Sulfurous Acid	10	1		2
Tall Oil		1		4
Tannic Acid		4		1
Toluene		4	4	4
Trichlorethylene			4	4
Triethanol Amine				3
Tricresyl Phosphate (Skydrol)			4	4
Turpentine		4	2	3
Vinegar				1
Vinyl Chloride				4
Water		1	1	1
White Liquor				1
Xylene		4		4
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Zinc Sulfate		2		1

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