



ORDER BY 3PM FOR NEXT DAY DELIVERY



NATIONWIDE COURIER DELIVERY SERVICE



CUSTOMER SATISFACTION GUARANTEED



NO QUIBBLE RETURNS POLICY

- Brass Glands
- Pot Seals & Earth Tail Seals
- Mineral Shrouds & Accessories
- Fixing Clips & Saddles
- Cable Fixings
- Locknuts
- Earth Tags
- Washers
- MI Wiring Cable Terminations
- Terminating Procedure
- Terminating Tools
- Cable & Accessory Selection
- ATEX Certification
- IECEx Certification
- Notes
- Terms & Conditions

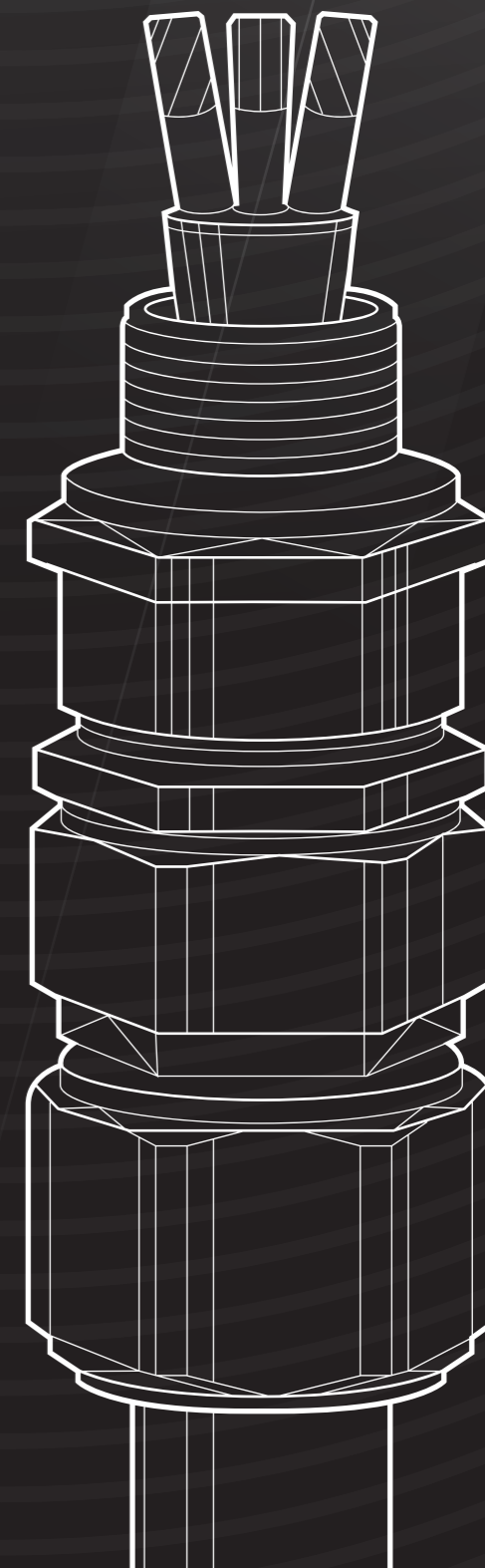
cguk

Cable Glands UK Ltd.
Unit 16-17 Premier Park
Acheson Way, Trafford Park
Manchester, M17 1GA
Tel: 0161 874 1480
Fax: 0161 877 2013
info@cableglandsuk.com
www.cableglandsuk.com

cguk[®]
cableglandsuk.com

Catalogue

Mineral Insulated Cable Company



The company has over the years gained experience concerning all aspects of MI Cable and its sales team have supervised and given expert advice on MI installations world-wide.

The “Mineral Insulated Cable Company”, has developed a range of accessories and tools for use with mineral cables and can therefore supply a complete wiring system to suit the requirements of a wide range of installations and applications.

Wherever you are throughout the world, cable requires glanding, jointing and fixing. You can rely upon the fast reliable service of The Mineral Insulated Cable Company for all your requirements - so why not give us a try!

Cable will always require glanding, joining and fixing, you know where to find the best and most cost effective solution, the “Mineral Insulated Cable Company”.

- Strict scheduling for on time delivery
- Professional customer support in multiple languages
- We listen to what our clients need to achieve and we adapt our services to suit your personal requirements

ABOUT:

Welcome to the “Mineral Insulated Cable Company”, a flourishing independent company whose headquarters are based at Trafford Park in Manchester.

The management team of the “Mineral Insulated Cable Company” have forty years industry experience under their belt and are supported by highly motivated and dedicated individuals who pride themselves in providing their clients with exceptional service, extensive knowledge, impeccable sourcing and comprehensive back up.

This complete and caring approach to business is enhanced by the companies already impressive, substantial and enviable customer base.

As a leading UK and overseas supplier of cable glands, cleats and fixings to an ever evolving electrical installation market you can rely on the “Mineral Insulated Cable Company”, to provide the right, ‘first time’ solution to each and every individual demand, requirement and application.

In short, for reliability, service, price, quality and efficiency, THINK the “Mineral Insulated Cable Company”.

- Strict scheduling for on time delivery
- Professional customer support in multiple languages
- We listen to what our clients need to achieve and we adapt our services to suit your personal requirements
- In General In House Low Cost Design and Manufacturing Solutions
- Quality products
- Outstanding service
- Accurate advice

MINERAL INSULATED CABLE (MICC)

Mineral Insulated Cable (MICC) has been in use commercially since 1937, the fact that it is still widely used today is evidence that it has not been bettered by any other cable system. Soft skinned polymeric Cables are a compromise in safety, fire performance and longevity when comparisons are made to MICC cables.

Any cable system that relies on polymers for conductor insulation will burn and will be very likely to fail in a real fire situation, MICC cable does not rely on polymers for insulation.

Mineral Insulated Cable is totally Inorganic and Silicone free in construction. The main construction consists of solid copper conductors (cores), highly compressed magnesium oxide (MgO) insulation and a solid copper sheath.

This unique construction gives melting points of 1083°C and 2800°C for the copper and insulation respectively.

This provides fire survival whilst continuing to safely carry a load for 3 hours at 950°C and for short periods of time in temperatures in excess of 1000°C.

MICC cables can also be considered to be non-aging as copper and MgO will not deteriorate with age in most situations. Cables normally need to be replaced by the polymers used for insulation breakdown causing the insulation resistance (IR) to fall thus creating an unsafe system.

The total life cycle costs of MICC cables in a building with a typical 40 - 50 year design expectancy would be considerably less than those using an XLPE steel wire armored LSZH fire resistant cable, thus off-setting any initial capital expenditure.

For the majority of modern installations, bare copper sheathed cable will suffice requiring no additional outer covering. In this state the cable is resistant to oil, and many other gases and liquids

Where the natural corrosion resistance of the copper sheath is not sufficient, it can be augmented with an additional LSZH (low smoke zero halogen) outer covering.

This outer covering can also be used for coloured circuit identification or visual appearance.



CAR PARKING: MULTI-STOREY & UNDERGROUND

- General Lighting
- Fire Alarm System
- Fire Pumps
- Emergency Lighting System
- Exhaust Fume Extraction
- Security Cameras

MOVING WALKWAYS/ TRAVELATORS/ ESCALATORS

- General Lighting
- Handrail Lighting
- Recess Illumination
- Emergency Stop Start Controls
- Fire Detection & Smoke Extraction

METROLINKS

- General Lighting
- Emergency Lighting
- Fire Protection Systems
- Public Address System
- Fire Telephones

HOTELS

- General Lighting and Power
- Stairwell Pressurisation System
- Fire Alarm System
- Emergency Lighting
- Elevator Motor Supply
- Mains Distribution

POWER GENERATION & DISTRIBUTION

- General Lighting and Power
- Emergency Lighting
- Fire Alarm & Security Systems
- Smoke Extraction Fans
- Air Conditioning

PETROL STATIONS

- Pump Circuits
- Fire Alarm & Security Circuits
- General Lighting

AIRPORTS

- General Lighting and Power
- Emergency Lighting
- Fire Protection Systems
- Public Address System

RAILWAY TUNNELS/STATIONS

- General Lighting
- Emergency Lighting
- Fire Detection & Smoke Extraction
- Fire Telephones
- Public Address System

ROAD, TUNNELS & MINES

- General Lighting
- Emergency Lighting
- Fire Detection
- Fire Telephones
- Fume & Ventilation Systems

SHOPPING CENTRES

- General Lighting & Power
- Emergency Lighting
- Fire and Security Circuits
- Public Address System

BUILDING SERVICES

- Rising Main & Lateral Distribution Systems
- Underfloor Mains Distribution Systems

EDUCATION BUILDINGS

- Fire Alarm System
- Smoke Extraction System
- Emergency Lighting
- Elevator Motor Power Supply

BUILDING EXTERIORS

- Perimeter
- Feature & Security Lighting

OFFSHORE

- High Integrity Circuits
- Accommodation Blocks
- Lighting & Power
- Safety Systems

PETROCHEMICALS

- Hazardous Area & Safety System Wiring
- Water Treatment
- General Lighting
- Emergency Lighting & Fire Protection
- Motor Operated Valves (MOV)

PUBLIC BUILDINGS: THEATRES, LIBRARIES & CINEMAS

- General Lighting and Power
- Emergency Lighting
- Fire Alarm & Security Systems
- Mains Distribution
- Smoke Extraction Fans

HOSPITALS

- Fire Alarm System
- Smoke Extraction System
- Emergency Lighting
- Elevator Motor Power Supply
- Theatre Critical Power Supply

TRANSPORT/INTERCHANGES

- Public Lighting
- Fire Alarm
- Emergency Lighting
- Public Address

GENERAL ELECTRICAL SERVICES

- Small Power - Ring & Radial Circuits
- Low Voltage Distribution -Rising & Lateral Mains
- External Lighting Circuits

EMERGENCY POWER & LIGHTING SYSTEMS

- Fire Alarm Equipment
- Smoke Dampers & Curtains
- Fire Door's & Shutters
- Smoke Extract Units
- Voice Alarm Systems
- CCTV Systems
- Emergency Lighting
- Sprinkler Control Systems
- Emergency Power Supply
- Control Centre
- Lifts & Escalators
- Fire Telephones

MICC CABLE GLANDS

Precision manufactured RGM glands are designed to be used on mineral insulated cables. The glands are compatible with zones 1 and 2 for Exd flame proof enclosures.

Material: Brass

Compliance: approved by SIRA in accordance with EU directive 94/9EC-ATEX

Standard: ATEX Zones 1 & 2 Exd

Light duty

Cable Size	Gland Cat No	Quantity
2L1.0	RGM2L1.0	10
2L1.5	RGM2L1.5	10
2L2.5	RGM2L2.5	10
2L4.0	RGM2L4.0	10
3L1.0	RGM3L1.0	10
3L1.5	RGM3L1.5	10
3L2.5	RGM3L2.5	10
4L1.0	RGM4L1.0	10
4L1.5	RGM4L1.5	10
4L2.5	RGM4L2.5	10



Pot Seals & Earth Tail Seals

POT SEALS

RPS Seals are required to terminate the cable. RPS kits include a pot, stub cap, compound and sleeving. RPS Seals are supplied in packs of 10 for 20mm and packs of 2 for 25, 32 & 40mm. Light duty

Cable Size	Pot Seal Cat No	Quantity
2L1.0	RPS2L1.0	10
2L1.5	RPS2L1.5	10
2L2.5	RPS2L2.5	10
2L4.0	RPS2L4.0	10
3L1.0	RPS3L1.0	10
3L1.5	RPS3L1.5	10
3L2.5	RPS3L2.5	10
4L1.0	RPS4L1.0	10
4L1.5	RPS4L1.5	10
4L2.5	RPS4L2.5	10



POT SEALS & EARTH TAILS

RPSL can be used as an alternative to RPS Seals where an earth tail may be required. RPSL kits include a pot, stub cap, compound and sleeving. RPSL seals are supplied in packs of 10 for 20mm and packs of 2 for 25, 32 & 40mm. - Light duty

Cable Size	Gland Cat No	Quantity
2L1.0	RGM2L1.0	10
2L1.5	RGM2L1.5	10
2L2.5	RGM2L2.5	10
2L4.0	RGM2L4.0	10
3L1.0	RGM3L1.0	10
3L1.5	RGM3L1.5	10
3L2.5	RGM3L2.5	10
4L1.0	RGM4L1.0	10
4L1.5	RGM4L1.5	10
4L2.5	RGM4L2.5	10



Mineral Shrouds & Accessories

MICC CABLE GLAND SHROUDS

MICC Cable Gland Shrouds are available in four sizes, M20, M25, M32 and M40 and they are manufactured in three materials.

Materials:
PVC / Low Smoke PVC to UL94-V1 /
Zero Halogen LSF silicone

Colours:
Standard colours of Red, White, Orange
and Black with other colours available to order

* indicate colour code when ordering R, W, O, B



Size	PVC Cat No	Quantity	LS PVC Cat No	Quantity	LSF Cat No	Quantity
1-M20	MS20*	100	LSF20*	100	LSFZH20*	100
2-M25	MS25*	50	LSF25*	50	LSFZH25*	50
3-M32	MS32*	20	LSF32*	20	LSFZH32*	20

MICC ACCESSORIES - CONDUCTOR SLEEVING

Designed for use on mineral conductors. Sold in 3 metre lengths.

Materials: PVC / Low Smoke PVC to UL94-V1 / Zero Halogen LSF silicone
Operating temperature range: maximum 105oC and Silicone maximum 150oC
Colours: Black, Red and Green/Yellow

* indicate colour code when ordering B, R, G/Y

Cable Size	Col Length	105oC	150oC
1.0 / 1.5	3m	RZP1.5*	RZE1.5*
2.5	3m	RZP2.5*	RZE2.5*
4.0	3m	RZP4.0*	RZE4.0*
6.0	3m	RZP6.0*	RZE6.0*

Temperature Range *



MICC ACCESSORIES - RMX SEALING COMPOUND

Designed for a wide range of electrical applications and is used for filling cavities, making airtight and watertight joints.

Material: manufactured from non oxidizing oil based compound
Operating temperature range: continuous up to 150oC

RMX: 166g pack size



FIRE CABLE CLIPS AND SADDLES

Fire Cable Clips and Saddles are designed for use on mineral insulated or soft skin fire cables. - Materials: Bare Copper or LSZH coated
 Compliance: Reach Compliant / LSZH - Standard: tested for the requirements in London Underground Ltd Standard Number 2-01001-002 Fire safety performance of materials and vertical burn test UL94 V0, V1 and V2 - Colours: Available in black, orange, red and white, special colours available to order



one hole 'P' clips at no cable diameter range mm

Clip Size	Bare Clip	Coated Clip	Min	Max	Quantity
20	RC20	RCHL20	5.0	5.4	50
22	RC22	RCHL22	5.5	5.9	50
24	RC24	RCHL24	6.0	6.4	50
26	RC26	RCHL26	6.5	6.9	50
28	RC28	RCHL28	7.0	7.4	50
30	RC30	RCHL30	7.5	7.9	50
32	RC32	RCHL32	8.0	8.4	50
34	RC34	RCHL34	8.5	9.0	50
37	RC37	RCHL37	9.1	10.0	50
40	RC40	RCHL40	10.1	10.7	50
43	RC43	RCHL43	10.8	11.7	50
47	RC47	RCHL47	11.8	12.7	50
51	RC51	RCHL51	12.8	13.5	50

two hole 'saddle' clips cat no cable diameter range mm

Clip Size	Bare Clip	Coated Clip	Min	Max	Quantity
202	RS202	RSFL202	4.7	5.2	50
222	RS222	RSFL222	5.3	5.7	50
242	RS242	RSFL242	5.8	6.2	50
272	RS272	RSFL272	6.3	6.9	50
302	RS302	RSFL302	7.0	7.7	50
342	RS342	RSFL342	7.8	9.0	50
382	RS382	RSFL382	9.1	9.7	50
422	RS422	RSFL422	9.8	10.7	50
462	RS462	RSFL462	10.8	11.8	50

'P' clip size 'saddle' size

Clip Size	MICC FP200	MICC FP200	MICC FP200	MICC FP200
2 core 1.0mm2	26	32	272	302
3 core 1.0mm2	28	32	302	302
4 core 1.0mm2	30	32	342	342
2 core 1.5mm2	28	32	302	302
3 core 1.5mm2	30	32	342	342

'P' clip size 'saddle' size

Clip Size	MICC FP200	MICC FP200	MICC FP200	MICC FP200
4 core 1.5mm2	34	37	342	382
2 core 2.5mm2	32	37	342	382
3 core 2.5mm2	34	40	342	382
4 core 2.5mm2	37	43/47	342	422
2 core 4.0mm2	37	43/47	422	422

SPACING OF FIXINGS

MICC cable is inherently self supporting and requires fewer fixings than other types of cable thereby providing savings in fixing time and costs. See table for recommended maximum fixing distances

Spacing Table

Overall diameter of cable mm	Max. spacing of fixings for MI cables	
	Horizontal mm	Vertical mm
Not exceeding 9	600	800
Exceeding 9 and not exceeding 15	900	1200
Exceeding 15 and not exceeding 20	1500	2000
Exceeding 20 and not exceeding 40	2000	3000

FIXING STRIPS

Two types of Pyro Strap are available: Pre-punched copper or solid copper. Both types are available either bare or plastic covered in 5 metre rolls. See tables below.

Pyro Strap Pre-punched Copper Fixing Strip

Bare copper:
Ref: Width mm
 RSH12 12
 RSH18 18
 Plastic Covered:
 RSHJ12 13
 RSHJ18 19



Pyro Strap Solid Copper Fixing Strip

Bare copper:
Ref: Width mm
 RSH12 12
 RSH18 18
 Plastic Covered:
 RSHJ12 13
 RSHJ18 19



FIXING STRIP SELECTION

A suitable size of strip can be determined from the following table:

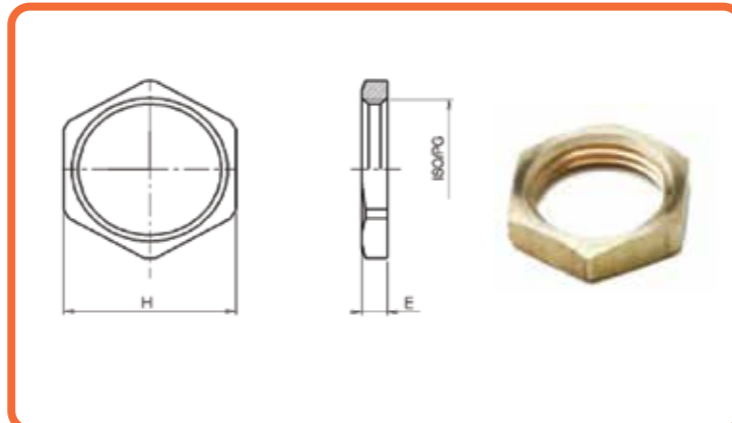
Number of cables	105°C	150°C
4 or less	Up to 14	12
More than 4	Over 14 / Up to 27	18
	Up to 9	12
	Over 9 / Up to 27	18

BRASS LOCKNUT

Locknuts are recommended for securing external entry threads into equipment.

Material: Brass - Compliance: EN 60 423
Guide UTE: 68312

Thread	H mm	E mm	Cat no	Quantity
M16 x 1.5	20	3	BLN16	50
M20 x 1.5	24	3.5	BLN20	50
M25 x 1.5	30	3.5	BLN25	20
M32 x 1.5	35	4.5	BLN32	20
M40 x 1.5	45	4.5	BLN40	20
M50 x 1.5	55	5.5	BLN50	10
M63 x 1.5	70	6	BLN63	5
M75 x 1.5	80	8	BLN75	1

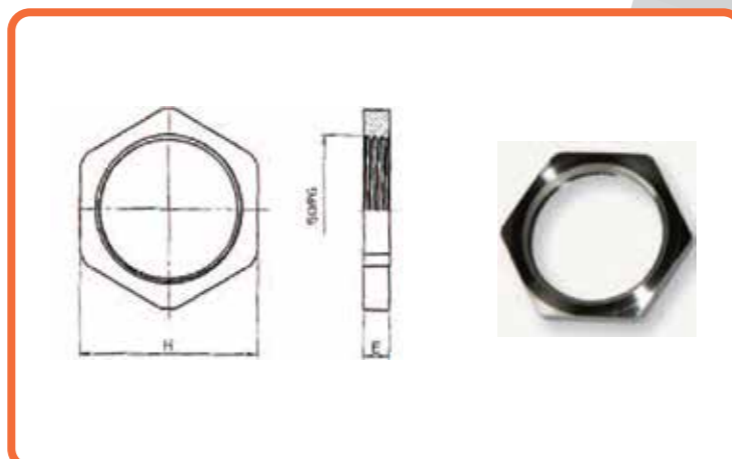


STAINLESS LOCKNUT

Locknuts are recommended for securing external entry threads into equipment.

Material: Stainless 316L - Compliance: EN 60 423
Guide UTE: 68312

Thread	H mm	E mm	Cat no	Quantity
M12 x 1.5	15	3	SSLN12	50
M16 x 1.5	19	3	SSLN16	50
M20 x 1.5	24	3.5	SSLN20	50
M25 x 1.5	30	3.5	SSLN25	20
M32 x 1.5	35	4.5	SSLN32	20
M40 x 1.5	45	4.5	SSLN40	20
M50 x 1.5	55	5.5	SSLN50	10
M63 x 1.5	70	6	SSLN63	5
M75 x 1.5	80	8	SSLN75	1



EARTH TAGS

Earth Tags are recommended for providing an earth bond connection for an entry component into the equipment. - Materials: available in brass, nickel plated brass, - stainless steel and aluminium

Compliance: EN 50262 category B - Sizes M10 to M100, PG7 to PG48 and BSPP/BSPT are available on request.



ISO Thread	Min Thickness mm	Nominal Centres	Bolt Hole Diameter	Weight kgs/100	NPT Thread	Min Thickness mm	Nominal Centres	Bolt Hole Diameter
M16	1.5	31.8	6.9	0.746	1/2"	1.5	33.0	6.9
M20	1.5	33.0	6.9	0.672	3/4"	1.5	36.5	6.9
M25	1.5	36.5	6.9	0.797	1"	1.5	42.5	11.8
M32	1.5	42.5	11.8	1.476	1 1/4"	1.5	45.4	13.5
M40	1.5	45.4	13.5	2.089	1 1/2"	1.5	58.1	13.5
M50	1.5	58.1	13.5	3.729	2"	1.5	66.8	13.5
M63	1.5	66.8	13.5	4.898	2 1/2"	1.5	73.0	13.5
M75	1.5	73.0	13.5	5.220	3"	1.5	90.0	13.5
M80	1.5	73.0	13.5	4.647	3 1/2"	1.5	112.0	13.5
M85	1.5	90.0	13.5	7.658	4"	1.5	120.0	13.5
M90	1.5	90.0	13.5	6.669				
M100	1.5	112.0	13.5	10.305				

Washers

IP WASHERS

In order to maintain the integrity of an enclosure greater than IP54, washers are recommended to be installed at the gland entry interface.

Materials: Fibre, Nylon Neoprene and PTFE -Colours: black, white or red
Sizes M10 to M100, PG7 to PG48 and BSPP/BSPT are available on request

Operating temperature range: -40oC to +95oC for Fibre, -40oC to +135oC forNylon, -200oC to +260oC for PTFE



ISO Thread	Thickness Nylon	Thickness Fibre	Outside Diameter	Weight kgs/100	NPT Thread	Thickness Nylon	Thickness Fibre	Outside Diameter
M16	2.0	1.5	25.0	0.116	1/2"	2.0	33.0	30.0
M20	2.0	1.5	29.4	0.164	3/4"	2.0	36.5	38.0
M25	2.0	1.5	38.1	0.257	1"	2.0	42.5	46.3
M32	2.0	1.5	42.5	0.341	1 1/4"	2.0	45.4	55.5
M40	2.0	1.5	52.0	0.386	1 1/2"	2.0	58.1	60.0
M50	2.0	1.5	65.0	0.594	2"	2.0	66.8	79.4
M63	2.0	1.5	79.4	0.794	2 1/2"	2.0	73.0	90.5
M75	2.0	1.5	90.5	0.868	3"	2.0	90.0	114.3
M80	2.0	1.5	104.8	0.839	3 1/2"	2.0	112.0	114.3
M85	2.0	1.5	104.8	0.698	4"	2.0	120.0	146.0
M90	2.0	1.5	114.3	0.913				
M100	2.0	1.5	114.3	0.512				

SERRATED WASHERS

Serrated or "shake proof" washers act as anti-vibration devices to prevent the cable gland or other cable entry device and locknut arrangement from loosening. It can also be used as an earth enhancing device on painted enclosures.

Material: Stainless Steel

Sizes: M10 to M100 are available on request



ISO Thread	Min Thickness	Outside Diameter	Weight kgs/100	NPT Thread	Min Thickness	Outside Diameter
M16	1.5	25.5	0.262	1/2"	1.5	35.4
M20	1.5	32.4	0.560	3/4"	1.5	43.4
M25	1.5	37.4	0.675	1"	1.5	52.0
M32	1.5	48.0	1.042	1 1/4"	1.5	59.5
M40	1.5	60.0	1.730	1 1/2"	1.5	71.0
M50	1.5	71.0	2.154	2"	1.5	87.0
M63	1.5	87.0	3.259	2 1/2"	1.5	102.0
M75	1.5	102.0	4.189	3"	1.5	125.0
M80	1.5	120.0	6.880	3 1/2"	1.5	140.0
M85	1.5	125.0	6.550	4"	1.5	155.0
M90	1.5	125.0	6.233			
M100	1.5	140.0	7.985			

TERMINATIONS

A complete termination comprises a seal to provide a means of connection and a gland to secure the cable into the appropriate apparatus.

Externally threaded brass compression glands are available for the entire cable range with ISO metric threads (Ref. RGM) as standard. Other thread forms are available on request.

Internally threaded 20mm ISO metric brass compression glands (Ref. RGU) are available for the full range of 2, 3 and 4 conductor, 500 volt cables.

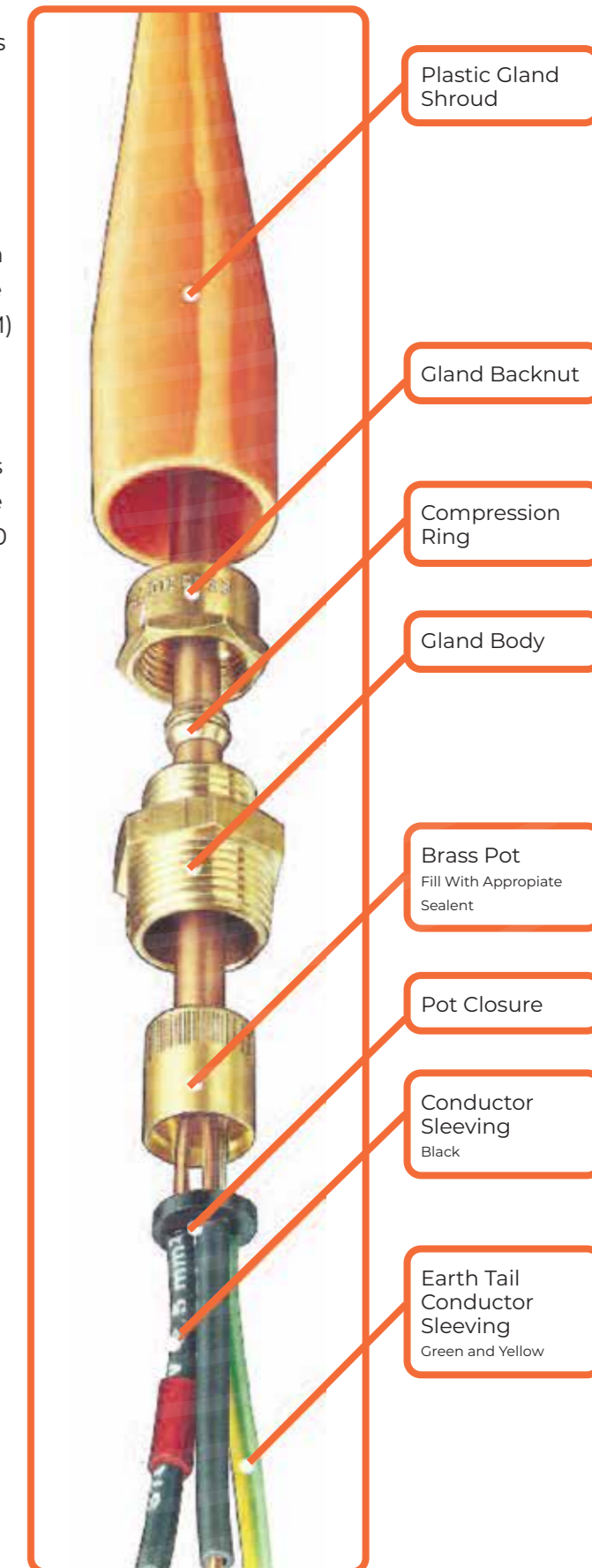
This type of gland is not available with other thread forms. There are self-threading screw-on brass seals for the entire cable range and these incorporate a variety of sealants and conductor insulating sleeves to suit most applications and environments. Seals, glands, gland locknuts and lockwashers are supplied in packs as follows:

Size ref	20mm	25mm	32mm	40mm
No. in pack	10	2	2	2

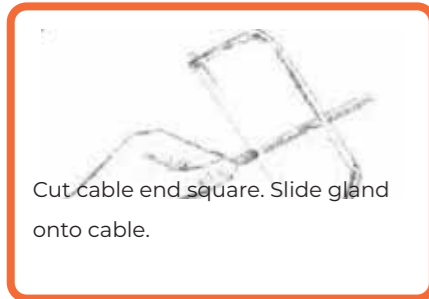
Additional RMX grey plastic compound may be ordered in 166g packs, sufficient to fill 32 x 20mm, 10 x 25, 5 x 32mm, or 2 x 40mm sealing pots.

Additional RMG glazing flux may be ordered in 100g packs, sufficient to fill 10 x 20mm, 3 x 25mm, 2 x 32mm or 1 x 40mm sealing pot.

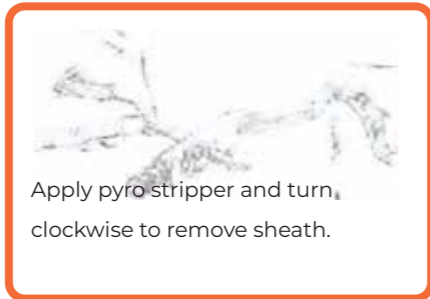
Plastic shrouds suitable for all gland sizes are supplied in packs on 10.



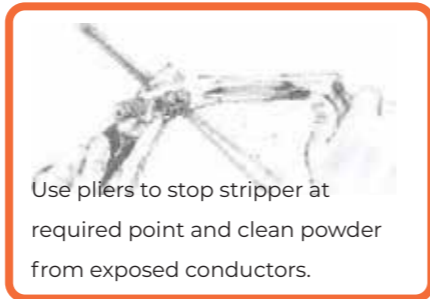
STANDARD, MEDIUM TEMPERATURE AND RADIATION RESISTANT SEALS



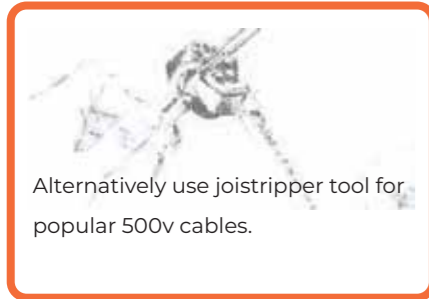
Cut cable end square. Slide gland onto cable.



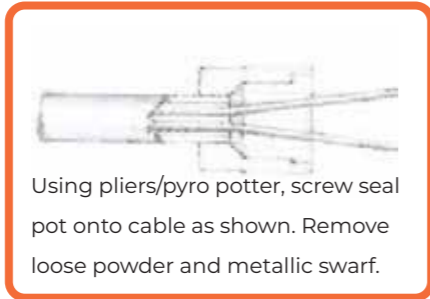
Apply pyro stripper and turn clockwise to remove sheath.



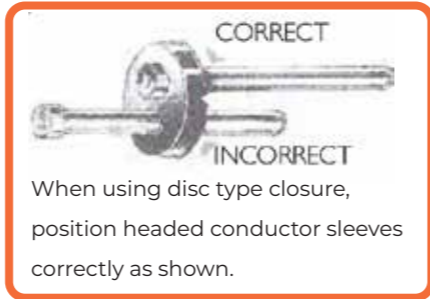
Use pliers to stop stripper at required point and clean powder from exposed conductors.



Alternatively use joystripper tool for popular 500v cables.



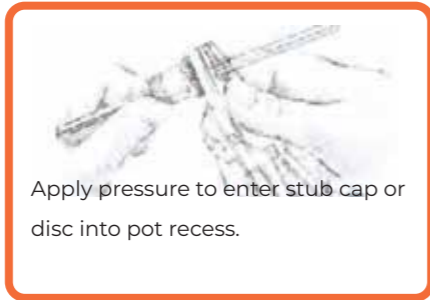
Using pliers/pyro potter, screw seal pot onto cable as shown. Remove loose powder and metallic swarf.



CORRECT
INCORRECT
When using disc type closure, position headed conductor sleeves correctly as shown.



Completely fill pot with compound from one side only



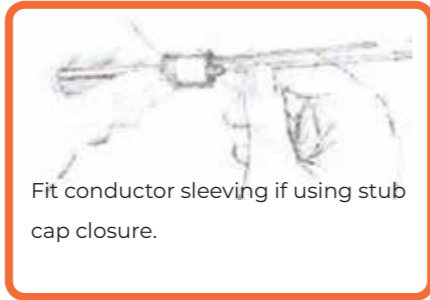
Apply pressure to enter stub cap or disc into pot recess.



Use pyro crimp tool, compress compound and secure pot closure.



Alternatively use pyro-x-crimp plate type tool.

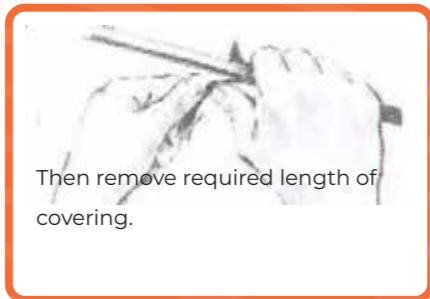


Fit conductor sleeving if using stub cap closure.

ADDITIONAL PROCEDURES FOR COVERED CABLES



Before fitting gland and seal cut shroud to ensure tight fit over outer



Then remove required length of covering.



In corrosive environments use PVC tape to protect exposed copper sheath and gland after fitting cable into apparatus.

MICC TOOLING - JOYSTRIPPER

The joystripper is used for stripping the cable sheath on popular cable sizes including 2L1, 2L1.5, 2L2.5, 3L1, 3L1.5, 4L, 4L1.5 - Replacement blades available. Cat no: ZSJ / ZSJB



MICC TOOLING - ROTARY STRIPPER

The rotary stripper can be used on all cable sizes. Replacement blades available. Cat no: ZSU / ZSUB / ZSUS / ZSUSB



MICC TOOLING - RINGING TOOL

Ringng tool for cutting MICC cable neatly Cat no: ZR



MICC TOOLING - POT WRENCH TOOL

Pot wrench tool ensures quick accurate screwing of the brass pot and is used in conjunction with the appropriate RGM cable gland. Cat no: ZPM + size of seal



MICC TOOLING - RATCHET WRENCH

An easy fit ratchet wrench tool for screwing on brass seal pots 20mm size. Cat no: ZRP



MICC TOOLING

This is a low cost tool having a life of approximately 100 operations. The tool locks on to position by three crimp indentations. Cat no: ZDD + size of sea



MICC TOOLING - HAND CRIMPER

Hand crimper tool is robust long life product that applies three point crimping action to the brass pot seal, securely locking the cap into position. Cat no: ZDC20



Core	Cable size reference	Conductors		Current ratings		Volt drop	Sheath cross section area (effective mm ²)	Max sheath resistance @200 C Ohm/km	Maximum conductor resistance Ohms Per 1000 meters 200 C	Cable diameter		Approx weight Per 1000		Gland size Ref RGM		Cable fixings			
		No x Sq MM	Bare (Amps)	Covered (Amps)	Per Amp/Per Metre mV	Bare (mm)				LSZH covered (mm)	Bare (kg)	LSZH covered (kg)	Plain seal (mm) Ref RPS	Earth tail seal (mm) Ref RPSL	One hole clip		Two way saddles		
															Bare copper Ref RC	LSZH covered Ref RCHL	Bare copper Ref RS	LSZH covered Ref RSFL	
1H2.5	1	2.5	39	43	13.5	6.44	3.71	7.41	5.3	6.6	111	128	20	20	20	26	202	272	
1H4	1	4	51	56	8.3	7.7	3.09	4.61	5.9	7.2	143	166	20	20	22	28	222	272	
1H6	1	6	47	52	6	8	2.67	3.08	6.4	7.7	173	213	20	20	24	30	272	342	
1H10	1	10	63	70	3.6	9	2.23	1.83	7.3	9.0	241	274	20	25	28	34	302	342	
1H16	1	16	83	92	2.3	12	1.81	1.15	8.3	10.0	327	364	20	25	32	37	342	422	
1H25	1	25	108	120	1.45	15	1.4	0.727	9.6	11.3	458	500	20	32	37	43	382	462	
1H35	1	35	132	147	1.05	18	1.17	0.524	10.7	12.4	600	650	20	32	40	47	422	502	
1H50	1	50	163	181	0.79	22	0.96	0.387	12.1	13.8	760	812	25	40	47	54	502	542	
1H70	1	70	199	221	0.55	27	0.77	0.268	13.7	15.4	1019	1080	25	-	54	59	542	632	
1H95	1	95	237.5	264	0.41	32	0.65	0.193	15.4	17.7	1326	1416	25	-	59	67	632	702	
1H120	1	120	272.5	303	0.33	37	0.56	0.153	16.8	19.1	1615	1713	32	-	63	75	702	752	
1H150	1	150	311	346	0.29	44	0.48	0.124	18.4	20.7	1952	2059	32	-	71	79	752	812	
1H185	1	185	353	392	0.25	54	0.41	0.101	20.4	23.2	2425	2570	32	-	79	88	812	932	
1H240	1	240	411	457	0.21	70	0.34	0.0775	23.3	26.1	3146	3312	40	-	88	101	932	1042	
1H300	1	300	795	883	0.31	84.6	0.28	0.0775	26	28.8	3791	3972	n/a	n/a	101	USE RSHL 18 OR RSZL 18 AS REQUIRED			
1H400	1	400	948	1053	0.28	106	0.22	0.044	30	32.8	5004	5211	n/a	n/a	n/a	USE RSHL 18 OR RSZL 18 AS REQUIRED			
2H1.5	2	1.5	22.5	25	28	11	1.9	12.1	7.9	9.6	247	284	20	20	30	37	342	382	
2H2.5	2	2.5	30.5	34	17	13	1.63	7.41	8.7	10.4	280	335	20	20	34	40	342	422	
2H4	2	4	40.5	45	10	16	1.35	4.61	9.8	11.5	365	415	20	25	37	43	422	462	
2H6	2	6	51	57	7	18	1.13	3.08	10.9	12.6	463	510	20	25	43	47	462	502	
2H10	2	10	69	77	4.2	24	0.887	1.83	12.7	14.4	653	725	25	32	47	54	502	592	
2H16	2	16	92	102	2.6	30	0.695	1.15	14.7	16.4	855	918	25	40	54	63	592	702	
2H25	2	25	119.5	133	1.65	38	0.546	0.727	17.1	19.4	1185	1285	32	40	67	75	702	752	
3H1.5	3	1.5	19	21	24	12	1.75	12.1	8.3	10.0	265	310	20	20	32	37	342	422	
3H2.5	3	2.5	25	28	14	14	1.47	7.41	9.3	11.0	345	390	20	25	37	43	382	462	
3H4	3	4	33	37	9.1	17	1.23	4.61	10.4	12.1	452	495	20	25	40	47	422	502	
3H6	3	6	43	48	6	20	1.03	3.08	11.5	13.2	562	602	25	25	43	51	462	542	
3H10	3	10	58.5	65	3.6	27	0.783	1.83	13.6	15.3	758	817	25	32	54	59	542	632	
3H16	3	16	77	86	2.3	34	0.622	1.15	15.6	17.9	1039	1130	25	40	59	71	632	752	
3H25	3	25	101	112	1.45	42	0.5	0.727	18.2	20.5	1451	1557	40	40	71	79	752	812	
4H1.5	4	1.5	19	21	24	14	1.51	12.1	9.1	10.8	330	370	20	20	37	43	382	462	
4H2.5	4	2.5	25	28	14	16	1.29	7.41	10.1	11.8	412	445	20	25	40	47	422	462	
4H4	4	4	33	37	9.1	20	1.04	4.61	11.4	13.1	530	608	25	25	43	51	462	542	
4H6	4	6	43	48	6	24	0.887	3.08	12.7	14.4	740	790	25	32	47	54	502	592	
4H10	4	10	58.5	65	3.6	30	0.69	1.83	14.8	16.5	916	979	25	32	54	63	592	702	
4H16	4	16	77	86	2.3	39	0.533	1.15	17.3	19.6	1292	1393	32	40	67	75	702	752	
4H25	4	25	101	112	1.45	49	0.423	0.727	20.1	22.9	1813	1956	40	40	79	88	812	932	
7H1.5	7	1.5	13	14.5	28	18	1.15	12.1	10.8	12.5	435	482	25	25	43	47	462	502	
7H2.5	7	2.5	17.5	19.5	17	22	0.959	7.41	12.1	13.8	563	616	25	25	47	54	502	542	
12H1.5	12	1.5	10.5	12	28	29	0.744	12.1	14.1	15.8	710	770	32	-	54	59	592	632	
12H2.5	12	2.5	14.5	16	17	34	0.63	7.41	15.6	17.9	910	1001	32	-	59	71	632	752	
19H1.5	19	1.5	9	10	28	37	0.57	12.1	16.6	18.9	989	1086	40	-	63	71	702	752	



- EC TYPE-EXAMINATION CERTIFICATE**
- Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC
- Certificate Number: **Sira 14ATEX1091** Issue: **0**
- Equipment: **Cable Glands – Type RGM**
- Applicant: **Cable Glands UK Ltd**
- Address: **17 Premier Park
Acheson Way
Trafford Park
Manchester
M17 1GA
United Kingdom**
- This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in the confidential reports listed in Section 14.2.
- Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:
EN 60079-0:2012 **EN 60079-1:2007**
The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.
- If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- This EC type-examination certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.
- The marking of the equipment shall include the following:



C. Ellaby

Project Number **70004719**


C Ellaby
Deputy Certification Manager

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service
Rake Lane, Eccleston, Chester, CH4 9JN, England

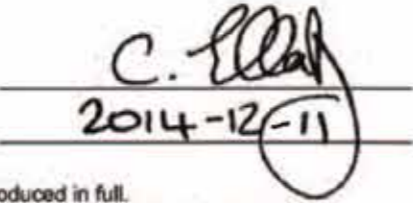
Tel: +44 (0) 1244 670900
Fax: +44 (0) 1244 681330
Email: info@siracertification.com

Form 9400 Issue 3



IECEx Certificate of Conformity


INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com


Certificate No.:	IECEx SIR 14.0039	Issue No.:	0	Certificate history:	
Status:	Current				
Date of Issue:	2014-12-11	Page 1 of 3			
Applicant:	Cable Glands UK Ltd 17 Premier Park Acheson Way Trafford Park Manchester M17 1GA United Kingdom				
Electrical Apparatus: Optional accessory:	Cable Glands – Type RGM				
Type of Protection:	Flameproof				
Marking:	Ex d IIC Gb				
Approved for issue on behalf of the IECEx Certification Body:	C Ellaby				
Position:	Deputy Certification Manager				
Signature: <small>(for printed version)</small>	 <div style="text-align: center;">C. Ellaby</div>				
Date:	<div style="text-align: center;">2014-12-11</div>				

1. This certificate and schedule may only be reproduced in full.
 2. This certificate is not transferable and remains the property of the issuing body.
 3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

SIRA Certification Service
 Rake Lane
 Eccleston
 Chester
 CH4 9JN
 United Kingdom





**CSA
Group**

17

For all enquiries please call 0161 874 1480 or email info@cableglandsuk.com | www.cableglandsuk.com

18

Definitions

Buyer - The person who buys or agrees to buy the goods from the seller.

Conditions - The terms and conditions of the sale as set out in this document and any special terms and conditions agreed in writing by the seller.

Goods - The articles which the buyer agrees to buy from the seller.

Price - The price for the goods, excluding VAT and any carriage, packaging and any insurance costs.

Seller - Means Cable Glands UK Limited/Timeswitch UK Limited, of Unit 17, Premier Park, Acheson Way, Trafford Park Road, Trafford Park, Manchester, M17 1GA.

Conditions

2.1 These conditions shall form the basis of the contract between the seller and the buyer in relation to the sale of goods, to the exclusion of all other terms and conditions including the buyers standard conditions of purchase or any other conditions which the buyer may purport to apply under any purchase order or confirmation of order or any other document.

2.2 All orders for goods shall be deemed to be an offer by the buyer to purchase goods from the seller pursuant to these conditions.

2.3 Acceptance of delivery of the goods shall be deemed to be conclusive evidence of the buyers acceptance of these conditions.

2.4 These conditions may not be varied except by the written agreement of Andrew Leach the seller.

2.5 These conditions represent the whole of the agreement between the seller and the buyer. They supersede any other condition previously issued.

Price Price is the current trade price less any discount that has been agreed by the seller. The price is exclusive of VAT which shall be due at the rate in force on the date of the sellers invoice.

Payment And Interest:

4.1 Payment of the price and VAT shall be due within 30 days from month end.

4.2 Interest on overdue invoices shall occur from the date when payment becomes due calculated on a daily basis until the date of payment at the rate of {8%} per annum over the Bank of England base rate from time to time in force. Such interest shall occur after as well as before any judgement.

4.3 The buyer shall pay all accounts in full and not exercise any rights of set - off or counter - claim against invoices submitted by the seller.

4.4 The seller shall pass any unpaid invoices over 30 days old to a 3rd party collection agency. This may result in court action being taken against the buyer if payment is not subsequently made. The buyer will be liable for legal costs debt collection fees and 2.5% administration charges. This is in addition to interest accrued in section 4.2.

Goods: The quantity and description of the goods shall be as set out in the sellers confirmation of order.

Warranties: The seller warrants that the goods will at the time of delivery correspond to the description given by the seller in the confirmation of order. {Except where the buyer is dealing as a consumer (as defined in section 12 of the unfair contract terms act 1977), all other warranties, conditions of terms relating to fitness for purpose, quality or condition of the goods are excluded}.

Delivery Of The Goods:

7.1 Delivery of the goods shall be made to the buyer's address. The buyer shall make all arrangements necessary to take delivery of the goods on the day notified by the seller for delivery.

7.2 The seller undertakes to use its reasonable endeavours to dispatch the goods on an agreed delivery date, but does not guarantee to do so. Time of delivery shall not be of the essence of the contract.

7.3 The seller shall not be liable to the buyer for any loss or damage whether arising directly or indirectly from the late delivery or short delivery of the goods. If short delivery does take place, the buyer undertakes not to reject the goods but to accept the goods delivered as part performance of the contract.

7.4 If the buyer fails to take delivery of the goods on the agreed delivery date or, if no specific delivery date has been agreed, when the goods are ready for despatch, the seller shall be entitled to store and insure the goods and to charge the buyer the reasonable costs of so doing.

Acceptance Of The Goods:

8.1 The buyer shall be deemed to have accepted goods 48 hours after delivery to the buyer.

8.2 The buyer shall carry out a thorough inspection of the goods within 48 hours of the delivery and shall give written notification to the seller within 5 working days of delivery of any defects which a reasonable examination would have revealed.

8.3 Where the buyer has accepted, or has been deemed to have accepted, the goods the buyer shall not be entitled to reject goods which are not in accordance with a contract.

Title And Risk:

9.1 Risk shall pass on delivery of the goods to the buyers address.

9.2 Notwithstanding the earlier passing of risk, title in the goods shall remain with the seller and shall not pass to the buyer until the amount due under the invoice for them (including interest and costs) has been paid in full.

9.3 Until title passes the buyer shall hold the goods as bailee for the seller and shall store or mark them so that they can at all times be identified as the property of the seller.

9.4 The seller may at any time before title passes and without any liability to the buyer:

9.4.1 Repossess and dismantle and use or sell all or any of the goods and by doing so terminate the buyers right to use, sell or otherwise deal in them; and

9.4.2 for the purpose (or determining what if any goods are held by the buyer and inspecting them) enter any premises of or occupied by the buyer.

9.5 The seller may maintain an action for the price of any goods not notwithstanding that title in them as not passed to the buyer.

Carriage Of Goods:

Carriage will be chargeable on all sales under £75 nett. Carriage will normally be arranged by a national distribution company.

However the seller does not except any responsibility for delivery via this method.

Stock Cleanse:

11.1 Goods will only be accepted if they are in a resellable condition and a compensating order to a value of twice the returned goods is placed.

11.2 Goods returned for stock cleanse will only be accepted if the sellers agents has inspected the goods and authorised the return of goods.

11.3 The seller reserves the right to charge a handling fee of 30% on goods returned in circumstances other than a stock cleanse, where the return is not due to fault or damage of goods.

