

## Cable Glands



Reliable Cable Management System





Kalister is a leading manufacturer of Cable Management system, markets high quality products used in Electrical Industry and are distributed worldwide. The products are designed under a quality system complying with the latest International standards and catering to a vast clientele across the globe. Kalister is a new generation company which strives for greater precision and perfection in maintaining the highest standards and is committed to develop innovative features which sustain safety, versatility and reliability of its products.



We continuously grow through product and market diversification, innovation in technology and establishment of strong International market presence. KALISTER Offers a comprehensive range of electrical products such as U PVC Conduit and Fittings, GI Conduit and Fittings, Flush Steel Back Box, CU Cable Lugs, Cu Ferrules, Insulated Terminals, Heat Shrink Tubes, Cable Tie and Accessories, Cable Markers, Cable Glands, Panel Trunking and Earthing and Lightning Protection Products.

#### **Brass Cable Glands**

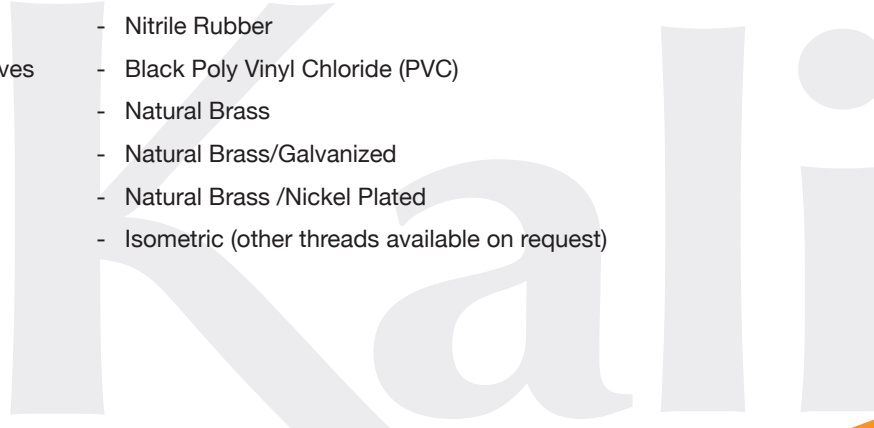
KALISTER Cable Glands deliver proven, secure electrical connections throughout the life cycle of the installation. Rugged construction and sealing technologies withstand harsh vibrations and Environments.

#### **Technical Data**

General Specification : BS 6121-1:2005

#### **Materials**

Glands	- Bodies, Caps & Rings: Brass
Seals	- Nitrile Rubber
Shrouds/Sleeves	- Black Poly Vinyl Chloride (PVC)
Earth Tag	- Natural Brass
Locknut	- Natural Brass/Galvanized
Finish	- Natural Brass /Nickel Plated
Entry Thread	- Isometric (other threads available on request)



### Gland Selection Chart

Cable Glands perform to the requirement of BS6121 part 1: 1989V

For use with PVC, SWA, PVC 600/1000 cables to BS 6346:1989

600/1000V copper conductor PVC insulated with Steel wire Armour Cable

Cable Conductor Size		Number of Cores													
Nom. Area mm <sup>2</sup>	Neutral	1	2	3	3 ½	4	5	7	10	12	19	27	37	48	
1.5		16S	20/16	20S	-	20S	20	20	20	25S	25	25	32	32	
2.5		16S	20S	20S	-	20	20	20	25S	25	25	32	40S	40	
4		16L	20	20	-	20	20	25S	25S	25	32S	32	40S	-	
6		20S	20	20	-	20									
10		20S	25S	25S	-	25S									
16		20	25S	25S	-	25									
25	16	20	25S	25	25	25									
-	-	-	25	25	-	32S									
35	16	20	25	32S	32S	32									
-	-	-	25	32	-	32									
50	25	25S	32S	32	32	40S									
70	35	25	32	40S	40	40									
95	50	25	40S	40	50S	50S									
120	70	25	40	50S	50S	50									
150	70	32S	40	50S	50	63S									
185	95	32	50S	50	63S	63S									
240	120	40S	50	63S	63	63									
300	150	40	63S	63	75S	75S									
300	185	40	63S	-	75	75									
400	185	50S	63	75S	75	90S									
500	-	50	-	75	90	90									
630	-	50	-	-	-	-									
800	-	63S	-	-	-	-									
1000	-	63	-	-	-	-									



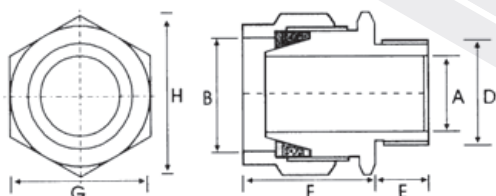


**BW Cable Gland (2 Part)**

**Application:** For use with armour or braided cables, secures armouring and provides electrical continuity between armour & gland entry component mainly used in dry and indoor condition.

**Design Features:** 2 part armour lock, knurled armour lock produces a low resistance earth clip.

Also available in CIEL (Cast Integral Earth Lug) for orders add “C” to Ordering Code



Cable Dimensions Accommodate			Gland Dimensions					Ordering Code
Size	Under Armour Dia.A Max. mm	Overall Dia B Max. mm	ISO Entry Thread		Approx Length from Shoulder	Hexagon Size		
			Dia	Length		Across Flat	Across Corners	
					D mm			
16S	8.00	12.00	16.00	10.00	23.00	20.00	23.00	KBW-16S
16	8.60	13.50	16.00	10.00	23.00	20.00	23.00	KBW-16
20S	12.30	17.00	20.00	10.00	23.00	23.00	24.00	KBW-20S
20	14.30	20.00	20.00	10.00	30.00	25.00	27.00	KBW-20
25S	18.00	23.80	25.00	10.00	30.00	31.00	32.50	KBW-25S
25	20.40	27.00	25.00	10.00	32.00	30.00	38.50	KBW-25
32	26.50	33.00	32.00	10.00	36.00	41.50	45.50	KBW-32
40S	31.00	37.00	40.00	10.00	36.00	45.00	50.00	KBW-40S
40	32.50	43.00	40.00	15.00	40.00	49.00	54.00	KBW-40
50S	37.80	48.00	50.00	15.00	40.00	58.00	65.00	KBW-50S
50	44.00	53.00	50.00	15.00	45.00	62.30	69.50	KBW-50
63S	50.50	60.50	63.00	15.00	45.00	70.00	77.00	KBW-63S
63	56.50	65.50	63.00	15.00	50.00	76.30	85.00	KBW-63
75S	62.50	72.00	75.00	15.00	50.00	85.00	95.00	KBW-75S
75	67.50	78.50	75.00	15.00	75.00	90.50	99.00	KBW-75
90S	75.00	85.00	90.00	20.00	55.00	100.00	110.00	KBW-90S
90L	78.50	89.00	90.00	20.00	55.00	112.00	120.00	KBW-90L



### BW Cable Gland (3 part)

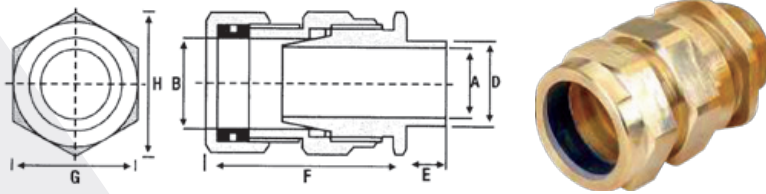
Similar in application and design to the BW (2 part) gland. However an extra component is added, a cone ring. This prevents rotation of the wire and is used instead of a knurled cone

### CW Cable Gland (3 part)

**Application:** For use with armoured cable, secures armouring and provides electrical continuity between armour and gland entry component. Also provides a seal on the outer sheath of the cable thus ensuring no damage to cable sheathing. These are used both indoor and outdoor, in all climatic conditions as it is weatherproof and waterproof.

**Design Features:** 2 part Armour / Earth Lock, Knurled Armour Lock produces a low resistance earth clip.

Also available in CIEL (Cast Integral Earth Lug) for orders add "C" to Ordering Code



Cable Dimensions Accommodate			Gland Dimensions					Ordering Code
Size	Under Armour Dia.A Max. mm	Overall Dia B Max. mm	ISO Entry Thread		Approx Length from Shoulder	Hexagon Size		
			Dia	Length		Across Flat	Across Corners	
			D mm	E mm	F mm	G mm	H mm	
16S	8.00	12.00	16.00	10.00	40.00	20.00	23.00	KCW-16S
16	8.60	13.50	16.00	10.00	40.00	20.00	23.00	KCW-16
20S	12.50	17.00	20.00	10.00	47.00	22.00	29.00	KCW-20S
20	14.40	20.50	20.00	10.00	47.00	26.00	29.00	KCW-20
25S	17.80	23.80	25.00	10.00	50.00	31.00	34.00	KCW-25S
25	20.40	27.00	25.00	10.00	50.00	34.00	38.50	KCW-25
32	26.50	33.00	32.00	10.00	55.00	41.50	46.50	KCW-32
40S	31.00	37.00	40.00	10.00	60.00	45.00	50.00	KCW-40S
40	32.50	40.80	40.00	15.00	60.00	49.00	54.00	KCW-40
50S	37.80	45.00	50.00	15.00	65.00	51.00	64.00	KCW-50S
50	44.00	51.50	50.00	15.00	65.00	62.30	69.50	KCW-50
63S	50.50	60.50	63.00	15.00	70.00	70.00	78.00	KCW-63S
63	56.50	65.50	63.00	15.00	70.00	76.30	85.00	KCW-63
75S	62.50	72.00	75.00	15.00	75.00	85.00	95.00	KCW-75S
75	67.50	78.50	75.00	15.00	75.00	91.00	112.00	KCW-75
90S	76.00	85.00	90.00	20.00	90.00	100.00	110.00	KCW-90S
90L	78.00	90.00	90.00	20.00	90.00	103.00	115.00	KCW-90L



### CW Gland (4 part)

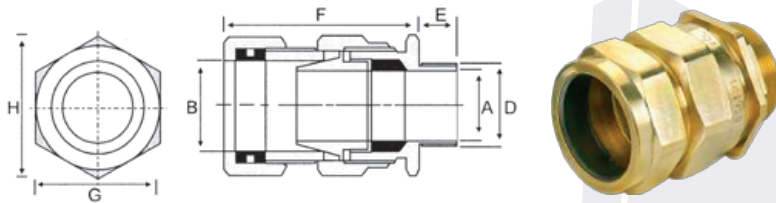
Similar in application and design to the CW (3 part) gland. However an extra component is added, a cone ring. This prevents rotation of the wire and is used instead of a knurled cone.

### E1 W Cable Gland

**Application :** For use with all types of SWA extruded bedding cable where it is essential to produce IP 66 seal on to the outer sheath and also produce an IP 66 or explosion proof seal on inner sheath. It provides seals to both inner sheath and outer sheath of the cable.

**Design Features :** 2 Part Armour / Earth Lock, Knurled Armour Lock produces a low resistance earth clip, Inner and outer displacement seal, Rated at IP 66 in conjunction with entry thread seal.

Also available in CIEL (Cast Integral Earth Lug) for orders add "C" to Ordering Code

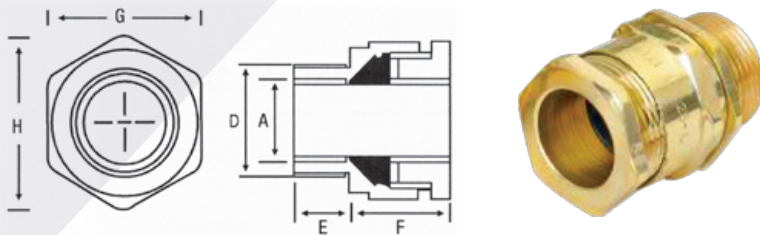


Cable Dimensions Accommodate			Gland Dimensions					Ordering Code
Size	Under Armour Dia.A Max. mm	Overall Dia B Max. mm	ISO Entry Thread		Approx Length from Shoulder	Hexagon Size		
			Dia	Length		Across Flat	Across Corners	
			D mm	E mm	F mm	G mm	H mm	
16	8.60	13.50	16.0	10.0	40.00	20.00	23.00	KE1W-16
20S	12.50	15.00	20.0	10.0	45.00	24.00	28.00	KE1W-20S
20	14.40	20.50	20.0	10.0	45.00	27.00	31.00	KE1W-20
25S	17.80	23.80	25.0	10.0	50.00	31.00	34.00	KE1W-25S
25	20.40	27.00	25.0	10.0	50.00	34.00	38.50	KE1W-25
32	26.50	33.00	32.00	10.00	55.00	41.50	46.50	KE1W-32
40S	31.00	37.00	40.00	10.00	60.00	45.00	50.00	KE1W-40S
40	32.50	40.80	40.00	15.00	60.00	49.00	54.00	KE1W-40
50S	37.80	48.00	50.00	15.00	65.00	58.00	65.00	KE1W-50S
50	44.00	53.50	50.00	15.00	65.00	62.30	69.50	KE1W-50
63S	50.50	60.50	63.00	15.00	70.00	70.00	78.00	KE1W-63S
63	56.50	65.50	63.00	15.00	70.00	76.30	85.00	KE1W-63
75S	62.50	72.00	75.00	15.00	75.00	85.00	95.00	KE1W-75S
75	67.50	78.50	75.00	15.00	75.00	90.50	99.00	KE1W-75
90	80.00	94.00	90.00	20.00	90.00	112.00	125.00	KE1W-90

### A1/A2 Cable Gland

**Application :** For use with unarmoured cables with rubber outer sheath. Secures outer sheath of cable. Displacement seal concept makes it suitable for indoor and outdoor application.

**Design Features :** outer displacement seal.



Cable Dimensions Accommodate			Gland Dimensions					Ordering Code
Size	Under Armour Dia.A Max. mm	Overall Dia B Max. mm	ISO Entry Thread		Approx Length from Shoulder	Hexagon Size		
			Dia	Length		Across Flat	Across Corners	
			D mm	E mm	F mm	G mm	H mm	
16S	3.5	7.0	16.00	10.00	20.00	20.00	23.00	KA2-16S
16	4.50	8.50	16.00	10.00	20.00	20.00	23.00	KA2-16
20S	8.00	11.50	20.00	10.00	22.00	22.00	25.00	KA2-20S
20.0	11.00	14.00	20.00	10.00	22.00	22.00	25.00	KA2-20
25 S	14.00	17.50	20.00	10.00	25.00	30.00	34.00	KA2-25S
25.0	17.50	20.40	25.00	10.00	26.00	30.00	34.00	KA2-25
32	20.00	26.00	32.00	10.00	30.00	36.00	40.00	KA2-32
40S	26.00	30.00	40.00	10.00	31.00	46.00	52.00	KA2-40S
40	30.00	33.00	40.00	15.00	31.00	46.00	52.00	KA2-40
50S	33.00	38.00	50.00	15.00	33.00	55.00	61.00	KA2-50S
50	38.00	44.00	50.00	15.00	33.00	56.00	62.00	KA2-50
63S	44.00	50.50	63.00	15.00	35.00	70.00	77.50	KA2-63S
63	50.00	56.00	63.00	15.00	35.00	70.00	77.50	KA2-63
75S	56.50	62.00	75.00	15.00	35.00	80.00	89.00	KA2-75S
75	62.00	68.00	75.00	15.00	40.00	80.00	89.00	KA2-75
90S	68.00	75.00	90.00	20.00	50.00	100.00	112.00	KA2-90S
90L	68.00	78.00	90.00	20.00	50.00	100.00	112.00	KA2-90L
100	78.00	88.00	100.00	20.00	50.00	112.00	125.00	KA2-100







### Gland Standard Pack

Standard Pack Comprises
16/20 – 32 Inclusive
2-Brass Glands
2-Black PVC Shrouds
2-Galv. Steel Locknuts
2-Brass Earth Tags

Standard Pack Comprises
40-90 Inclusive
1-Brass Gland
1-Black PVC Shroud
1-Gal.Steel Locknut
1-Brass Earth Tag

### PVC Shroud

**Material :** High Grade Poly Vinyl Chloride

#### Features

- Provides additional protection & enhances IP rating of the Gland Terminals.
- Effective solution to weather and corrosion protection of a Cable Gland.
- Available in same Gland size compatible to each size of the Cable Gland.
- The arrow end of the sleeve is readily cut with a knife, enabling it to be slipped over a wide range of cable diameters and assists ease of installations.

### LSF Shroud

**Material :** High Grade Poly Vinyl Chloride

#### Features

- Provides additional protection & enhances IP rating of the Gland Terminals.
- Effective solution to weather and corrosion protection a Cable Gland.

### Lock Nut

**Material :** Brass, Aluminum & Galvanized Steel

#### Features

- Used in fastening Glands to the Gland Plate.
- Available in Metric, Imperial, NPT, BSPT, BSP & PG.

**Sizes :** 16 mm to 75 mm

Size mm or inch	Ordering Code	Size mm or inch	Ordering Code
16mm or 5/8"	KG LN-16	50mm or 2"	KG LN -50
20mm or 3/4"	KG LN-20	63mm or 2 1/2"	KG LN -63
25mm or 1"	KG LN-25	75mm or 3"	KG LN -75
32mm or 1.1/4"	KG LN-32	90mm or 3. 1/2"	KG LN -90
40mm or 1.1/2"	KG LN-40		





### Aluminum Cable Gland

Material : Aluminum Alloys

### BWA Al. Cable Glands

#### Application

Dry indoor for use with all types of extruded bending cable and are use for aluminum armoured termination.

Sizes : M20 to M63

### CWA Aly. Cables Glands

#### Application

For indoor / outdoor, for use with all types of extruded bending cable and are used for aluminum armoured termination.

Sizes : M20 to M63

### Earthing Tag

Material : Brass, Aluminum & Copper

#### Features

- Means of connection or an earth bond around the Cable Gland.
- Available in various shapes and in all sizes
- Ensures earth continuity between the electrical equipment and the Gland.
- Can be coated or plated as per Customer specification.

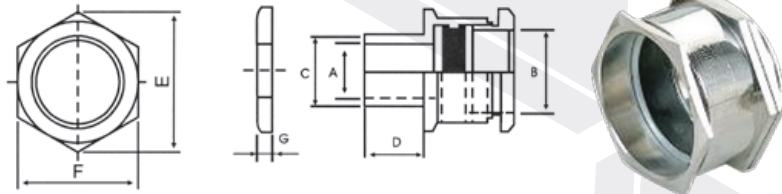
Metric	Product Code	Size	Product Code
M16	HGA ET -16	M50	KGA ET - 50
M20	HGA ET -20	M63	KGA ET - 63
M25	HGA ET -25	M75	KGA ET - 75
M32	HGA ET -32	M80	KGA ET - 80
		M90	KGA ET - 90
		M100	KGA ET - 100



## Single Compression Type Brass Cable Gland for Unarmoured Cable

### Application :

For use with unarmoured cable, secures and provides electrical continuity between unarmoured cable and Gland entry component. Also provides a seal on the outer sheath of the cable thus ensuring no damage to cable sheathing. These are used both indoor and outdoor, in all climatic conditions as it is weatherproof and waterproof.



Max. O.D	Cable Dimm. Overall Dia.		Nipple Entry Thread		Cable Gland Dimensions							Product Code
	Over	Under	Inch	mm	A	B	C	D	E	F	G	
14.0	12.0	0.0	3/8 "	10	11.5	12.5	15.5	7.5	20.5	18.0	2.5	KSC-3/8"
16.0	15.0	10.0	1/2 "	12	2.0	15.0	15.5	8.5	25.0	22.0	3.0	KSC-1/2"
16.0	16.0	10.0	5/8"	16	14.5	16.5	18.5	8.0	24.0	21.0	2.5	KSC-5/8"
18.0	16.5	14.0	3/4 "	19	14.5	17.5	19.0	8.5	26.0	23.0	2.5	KSC-3/4"
20.0	17.5	16.5	7/8"	22	14.5	20.0	18.5	8.5	29.0	25.0	3.0	KSC-7/8"
23.0	20.5	18.5	1"	25	20.5	23.0	25.0	9.0	33.0	29.0	3.0	KSC-1"
30.0	27.5	22.5	1- 1/8 "	28	24.0	28.0	28.5	10.5	40.0	35.0	3.5	KSC-1-1/8"
30.0	27.5	26.5	1- 1/4 "	32	27.0	32.0	31.5	11.0	46.0	40.0	3.5	KSC-1-1/4"
33.0	33.0	29.6	1- 3/8 "	35	29.5	35.5	34.5	11.0	50.0	44.0	4.0	KSC-1-3/8"
38.0	37.0	33.5	1- 1/2 "	38	33.0	39.5	38.0	11.5	54.0	47.0	4.0	KSC-1-1/2"
45.0	40.0	37.5	1- 3/4 "	45	40.0	44.5	44.0	11.5	62.0	54.0	4.5	KSC-1-3/4"
49.0	43.0	43.5	2"	50	45.0	51.5	50.0	13.0	69.0	60.0	5.0	KSC-2"
55.0	52.0	49.0	2- 1/4 "	63	51.5	58.0	56.5	13.0	78.0	68.0	5.0	KSC-2-1/4"
61.0	56.0	64.5	2- 1/2 "	70	57.5	62.5	63.0	14.0	82.0	72.0	5.0	KSC-2-1/2"
67.0	67.0	61.5	2- 3/4 "	75	63.5	69.0	69.0	15.0	90.0	80.0	5.0	KSC-2-3/4"
73.0	73.0	66.5	3"	82	68.0	75.0	75.0	16.0	99.0	87.0	5.5	KSC-3"
80.0	74.0	72.5	3- 1/4 "	88	75.0	81.5	82.0	16.0	105	92.0	6.0	KSC-3-1/4"
83.0	83.0	80.5	3 - 1/2 "	100	81.5	86.5	88.0	16.0	115	102	6.0	KSC-3-1/2"
95.0	95.0	54.0	4"	112	92.0	101	100	17.0	126	110	6.5	KSC-4"
105.0	108	100	4 - 1/2 "		107	109	105	20.0	148	129.5	7.5	KSC-4-1/2"

### Line Taps / Split Bolts

**Material :** Brass Finishing : Copper / Tinned

Kalister provides a vast range of line taps to meet the materials and dimensional specifications laid by different international standards. Brass line taps are made with high tensile brass as per BS 2874-CZ 112. Threads are formed by rolling process giving the nut extra clamping force. Pressure pads are made from extruded bars, preventing the pads from cracking. Brass line taps are manufactures in passivated natural Brass with electro tinned finish. They are also supplied in high conductivity copper.



Size	J	C	B a/f	D a/f	F
6 mm <sup>2</sup>	24.0	3.20	10.00	12.70	6.50
10 mm <sup>2</sup>	27.30	5.50	12.70	19.00	5.60
16 mm <sup>2</sup>	27.30	5.50	12.70	19.00	5.60
25 mm <sup>2</sup>	28.90	6.90	15.00	19.00	5.60
35 mm <sup>2</sup>	34.80	8.10	18.00	24.00	7.10
50 mm <sup>2</sup>	42.00	9.60	23.00	27.30	9.40
70 mm <sup>2</sup>	47.50	11.17	23.00	30.00	9.40
95 mm <sup>2</sup>	53.00	14.00	25.40	34.30	9.40
120 mm <sup>2</sup>	59.00	16.00	30.00	35.55	12.20
150 mm <sup>2</sup>	59.00	16.00	30.000	35.55	12.20
185 mm <sup>2</sup>	59.00	18.00	32.00	38.10	12.20
240 mm <sup>2</sup>	76.20	22.20	39.00	48.25	14.60
300 mm <sup>2</sup>	76.20	23.00	39.00	48.25	14.60
400 mm <sup>2</sup>	76.50	26.00	48.00	56.00	16.00
500 mm <sup>2</sup>	80.00	30.00	55.00	65.00	16.00

### Split Bolt Connector with Round Head

Kalister has a complete range of split bolts which are used for joining aerial hard drawn copper conductors or insulated copper conductors. Split bolts are made from a high conductivity copper alloy with captive saddle which applies a distributed pressure to conductors. The head of split bolt is suitable for standard spanner to fit in. they can be supplied in natural copper alloy or electro tinned.

#### Technical Data :

Conductive Material : Copper Alloy  
 Operating Temperature : -550C to 1000C  
 Electroplating Material : Tin 99.7% pure

Max Cond. Size (mm <sup>2</sup> )	Slot Width mm <sup>2</sup>	Cross Reference	Natural Brass	Electro Tinned
25	6.6	-	KSBC -12	KSBC-12T
16	5.3	Type A	KSBC -22	KSBC-22T
35	8.3	Type B	KSBC -24	KSBC-24T
70	10.9	Type C	KSBC -25	KSBC-25T
95	12.9	Type D	KSBC -26	KSBC-26T
185	18.5	Type E	KSBC -28	KSBC-28T





**U.A.E**

P.O. Box: 34736, CPO  
RAKIA Industrial Zone  
Ras Al Khaimah, UAE  
Tel : +971-07 2434092  
Fax : +971-07 2434096  
Email: info@kalistergroup.com

**Kuwait**

Mekka Street,  
Fahaheel, Kuwait  
Tel : +965 23911038  
Fax : +965 23919576  
Email: infokwt@kalistergroup.com

**U.S.A**

4670 Stonebrook CT Sterling  
VA 20164 8550, USA  
Tel : +571 529 7053  
Fax : +571 529 7054  
Email: infousa@kalistergroup.com

**INDIA**

Kochi - 682012  
Tel : +484 6573722  
Fax : +484 2392461  
Email: infoind@kalistergroup.com

[www.kalistergroup.com](http://www.kalistergroup.com)