UCT™
INTERNATIONAL

- Compression Copper/Aluminium Cable Lugs & Connectors
- Shear Head Mechanical Cable Lugs & Connectors
- Industrial Brass Cable Glands & Accessories
- Aluminium & PVC/Nylon Cable Cleats
- Accessories for Cable Terminations & Joints
- Transmission, Distribution & Tailor Made Metal Components

Electrical Connection Systems

Product Catalouge

TÜV SÜD ISO 9001

Welcome to UCT International Product Catalogue

Electrical Connecting System

What you will find inside a full package of UCT International product information. The catalogue covers general purpose electrical connecting system details for cable accessories. Our dedicated sales and service team will be happy to address your needs.

Quality

UCT International is committed to a policy of continuous improvement and developments. Quality management systems ensure that, at all stages of manufacturing process, from incoming raw material, to final assembly, rigorous tests are carried out to ensure the finished products, meet or surpass the design and performance requirements.

Vision

To be the leading global manufacturer and marketer of electrical connecting systems and related products to the electrical market through excellence in customer service and by identifying and recommending the products that are entirely fit for purpose and provide a life time trouble free service.

Product Range

- Compression copper and aluminium cable lugs, connectors and terminals
- Shear head bolt mechanical cable lugs and connectors
- Industrial brass cable glands & accessories
- Brass wiping glands and top hat aluminium/steel glands
- Aluminium and PVC/Nylon cable cleats
- Accessories for cable terminations and joints
- Transmission and distribution components
- Custom made metal components as per customer's drawing and requirements

Compression Copper/Aluminium Cable Lugs & Connectors

for Armoured and Unarmoured Cables

Cable Lugs & Connectors

Cable lugs & inline connectors are connecting device used for terminating and joining cable and wire conductors in electrical installation and equipment.

Cable lugs & inline connectors are manufactured in a various designs and are made from high conductivity copper or aluminium to suit various cable and wire types and specific installation requirements.

- Standard copper cable lugs and inline connectors are used with copper cables and wires in general industrial, commercial and domestic applications.
- DIN standard copper cable lugs and inline connectors are used with copper cables and wires in specialized application such as medium and high voltage electrical system.
- Two and four hole copper cable lugs are used with copper cables and wires in specialized application.
- Aluminium lugs and inline connectors are used with aluminium cables in electrical system.
- Shear bolt lugs and inline connectors for aluminium and copper cables are used where crimping technology cannot be used.
- Bimetal lugs and inline connectors are used for mating copper and aluminium conductors to prevent dissimilar metal corrosion.

Selection Criteria:

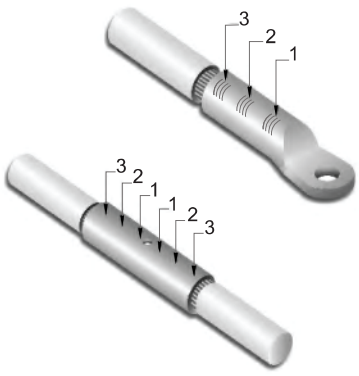
When selecting a cable lug or inline connector for an application the following criteria must be considered:

- Type of conductor i.e. copper or aluminium.
- Cross sectional area of conductor/s to be terminated or joined.
- Form of the conductor i.e. solid, stranded, compacted or multi-standed.
- The size of the securing bolt or stud.

DO's and DON'T'S

- Take care to assess the application and installation requirements prior to specifying a cable lug or inline connector.
- Ensure that the lug size selected accurately matches the cross sectional area of the cable or wire's conductor/s.
- Use a purpose designed crimping tool to ensure the integrity of the joint between the cable lugs and inline connectors and the conductor/s.
- Use the correct crimping method for the specific wire type i.e hexagonal for solid, stranded and compacted conductors and indent for multi-stranded cables and wires.
- Never cut conductor strands of a cable or wire in order to fit a smaller lug or inline connector.

Installation procedure for cable lugs & connectors



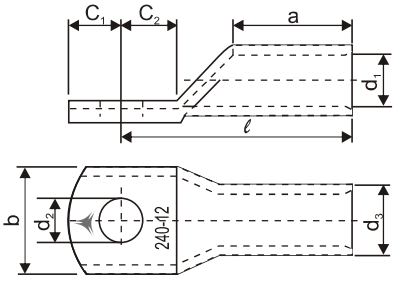
- Identify the correct lug / connector for the cable.
- Remove the insulation with suitable tool upto the distance equal to the insertion depth of the lugs / connector plus suitable extra allowances (3 to 5mm).
- Brush the surface of the conductor to remove any oxides if present.
- Insert the conductor into the barrel of lug or connector.
- Suitable crimping tool and die set should be selected to crimp the lug or inline connector with cable.
- Crimp according to the series mentioned in diagram.

Copper Cable Lugs

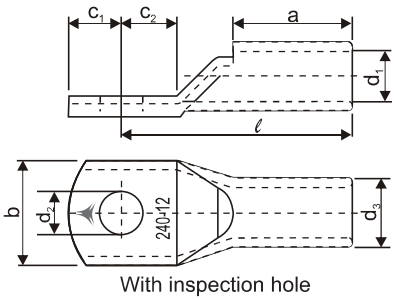
Standard

Material : E-Copper
Finish : Electro Tinned
Features : With or Without Inspection Hole

Size mm²	a	b	c_1	c_2	d_1	d_2	d_3	ℓ	P/N with inspection hole	P/N without inspeciton hole
1.5	7.0	6.5	4.0	5.0	1.8	4.2	3.8	14.0	ACUSI 1.5-4	ACUS 1.5-4
		7.5	4.5	5.5		5.2		14.5	ACUSI 1.5-5	ACUS 1.5-5
		9.0	5.0	6.0		6.4		15.0	ACUSI 1.5-6	ACUS 1.5-6
2.5	7.0	6.5	4.0	5.0	2.4	4.2	4.0	14.0	ACUSI 2.5-4	ACUS 2.5-4
		8.5	4.5	5.5		5.2		14.5	ACUSI 2.5-5	ACUS 2.5-5
		9.0	5.0	6.0		6.4		15.0	ACUSI 2.5-6	ACUS 2.5-6
		12.0	8.0	9.0		8.4		18.0	ACUSI 2.5-8	ACUS 2.5-8
4/6	10.5	9.0	6.0	6.5	3.8	5.2	5.5	19.0	ACUSI 4/6-5	ACUS 4/6-5
		11.0		7.0		6.4		19.5	ACUSI 4/6-6	ACUS 4/6-6
		14.0	8.0	9.0		8.4		21.5	ACUSI 4/6-8	ACUS 4/6-8
		16.5	10.0	11.0		10.5		23.5	ACUSI 4/6-10	ACUS 4/6-10
10.0	11.5	10.0	6.0	6.5	4.5	5.2	6.7	20.0	ACUSI 10-5	ACUS 10-5
		11.0		7.0		6.4		20.5	ACUSI 10-6	ACUS 10-6
		15.0	8.0	9.0		8.4		22.5	ACUSI 10-8	ACUS 10-8
		18.0	10.0	11.0		10.5		24.5	ACUSI 10-10	ACUS 10-10
		19.0	12.0	14.0		13.0		27.5	ACUSI 10-12	ACUS 10-12
16.0	14.5	11.5	6.0	6.5	5.5	5.2	7.8	23.0	ACUSI 16-5	ACUS 16-5
		11.5		7.0		6.4		23.5	ACUSI 16-6	ACUS 16-6
		15.0	8.0	9.0		8.4		25.5	ACUSI 16-8	ACUS 16-8
		20.0	10.0	11.0		10.5		27.5	ACUSI 16-10	ACUS 16-10
			12.0	14.0		13.0		30.5	ACUSI 16-12	ACUS 16-12
25.0	18.0	14.0	6.0	6.5	7.0	5.2	9.0	27.5	ACUSI 25-5	ACUS 25-5
				7.0		6.4		28.0	ACUSI 25-6	ACUS 25-6
		15.0	8.0	9.0		8.4		30.0	ACUSI 25-8	ACUS 25-8
		18.0	10.0	11.0		10.5		32.0	ACUSI 25-10	ACUS 25-10
		21.0	12.0	14.0		13.0		35.0	ACUSI 25-12	ACUS 25-12
35.0	18.0	15.0	6.0	6.5	8.0	5.2	10.0	28.5	ACUSI 35-5	ACUS 35-5
				7.0		6.4		29.0	ACUSI 35-6	ACUS 35-6
			8.0	9.0		8.4		31.0	ACUSI 35-8	ACUS 35-8
			10.0	11.0		10.5		33.0	ACUSI 35-10	ACUS 35-10
		18.0	12.0	14.0		13.0		36.0	ACUSI 35-12	ACUS 35-12
50.0	19.5	16.0	6.0	7.0	9.2	6.4	11.2	30.5	ACUSI 50-6	ACUS 50-6
			8.0	9.0		8.4		32.5	ACUSI 50-8	ACUS 50-8
			10.0	11.0		10.5		34.5	ACUSI 50-10	ACUS 50-10
		20.0	12.0	12.0		13.0		35.5	ACUSI 50-12	ACUS 50-12
70.0	23.0	20.0	8.0	9.0	11.5	8.4	13.8	38.0	ACUSI 70-8	ACUS 70-8
			10.0	11.0		10.5		40.0	ACUSI 70-10	ACUS 70-10
			12.0	14.0		13.0		43.0	ACUSI 70-12	ACUS 70-12
			14.0	16.0		14.7		45.0	ACUSI 70-14	ACUS 70-14
			16.0	18.0		17.0		47.0	ACUSI 70-16	ACUS 70-16



Without inspection hole



With inspection hole

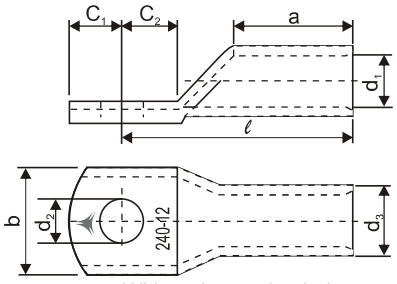
All dimensions are in mm
Standard tolerance applies

Copper Cable Lugs

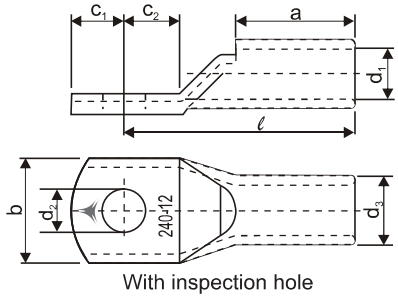
Standard

Material : E-Copper
Finish : Electro Tinned
Features : With or Without Inspection Hole

Size mm^2	a	b	c_1	c_2	d_1	d_2	d_3	ℓ	P/N with inspection hole	P/N without inspection hole
95	28.5	23.0	8.0	9.0	12.8	8.4	15.6	44.5	ACUSI 95-8	ACUS 95-8
			10.0	11.0		10.5		46.5	ACUSI 95-10	ACUS 95-10
			12.0	14.0		13.0		49.5	ACUSI 95-12	ACUS 95-12
			14.0	16.0		14.7		51.5	ACUSI 95-14	ACUS 95-14
			16.0	18.0		17.0		53.5	ACUSI 95-16	ACUS 95-16
120	29.0	26.0	8.0	9.0	14.8	8.4	17.8	46.0	ACUSI 120-8	ACUS 120-8
			10.0	11.0		10.5		48.0	ACUSI 120-10	ACUS 120-10
			12.0	14.0		13.0		51.0	ACUSI 120-12	ACUS 120-12
			14.0	16.0		14.7		53.0	ACUSI 120-14	ACUS 120-14
			16.0	18.0		17.0		55.0	ACUSI 120-16	ACUS 120-16
150	36.0	28.0	11.0	13.0	16.0	8.4	19.6	58.0	ACUSI 150-8	ACUS 150-8
			11.0	13.0		10.5		58.0	ACUSI 150-10	ACUS 150-10
			12.0	14.0		13.0		59.0	ACUSI 150-12	ACUS 150-12
			16.0	18.0		14.7		63.0	ACUSI 150-14	ACUS 150-14
			17.0	19.0		17.0		64.0	ACUSI 150-16	ACUS 150-16
185	43.0	32.0	11.0	13.0	18.0	10.5	22.0	65.0	ACUSI 185-10	ACUS 185-10
			12.0	14.0		13.0		66.0	ACUSI 185-12	ACUS 185-12
			16.0	18.0		14.7		70.0	ACUSI 185-14	ACUS 185-14
			17.0	19.0		17.0		71.0	ACUSI 185-16	ACUS 185-16
240	46.0	38.0	12.0	14.0	22.0	13.0	26.0	72.0	ACUSI 240-12	ACUS 240-12
			16.0	18.0		14.7		76.0	ACUSI 240-14	ACUS 240-14
			17.0	19.0		17.0		77.0	ACUSI 240-16	ACUS 240-16
			20.0	22.0		21.0		80.0	ACUSI 240-20	ACUS 240-20
300	51.0	42.0	11.0	13.0	24.0	10.5	28.7	78.0	ACUSI 300-10	ACUS 300-10
			12.0	14.0		13.0		79.0	ACUSI 300-12	ACUS 300-12
			16.0	18.0		14.7		83.0	ACUSI 300-14	ACUS 300-14
			17.0	19.0		17.0		84.0	ACUSI 300-16	ACUS 300-16
			20.0	22.0		21.0		87.0	ACUSI 300-20	ACUS 300-20
400	56.0	49.0	19.0	22.0	28.0	13.0	33.2	94.0	ACUSI 400-12	ACUS 400-12
			19.0	22.0		14.7		94.0	ACUSI 400-14	ACUS 400-14
			19.0	22.0		17.0		94.0	ACUSI 400-16	ACUS 400-16
			23.0	24.0		21.0		96.0	ACUSI 400-20	ACUS 400-20
500	60.0	53.0	19.0	22.0	30.0	13.0	36.0	95.0	ACUSI 500-12	ACUS 500-12
			19.0	22.0		14.7		95.0	ACUSI 500-14	ACUS 500-14
			19.0	22.0		17.0		95.0	ACUSI 500-16	ACUS 500-16
			23.0	24.0		21.0		100.0	ACUSI 500-20	ACUS 500-20
630	71.0	61.0	23.0	24.0	35.0	13.0	41.5	111.0	ACUSI 630-12	ACUS 630-12
						14.7		111.0	ACUSI 630-14	ACUS 630-14
						17.0		111.0	ACUSI 630-16	ACUS 630-16
						21.0		111.0	ACUSI 630-20	ACUS 630-20



Without inspection hole



With inspection hole

All dimensions are in mm
Standard tolerance applies

Copper Cable Lugs

Standard

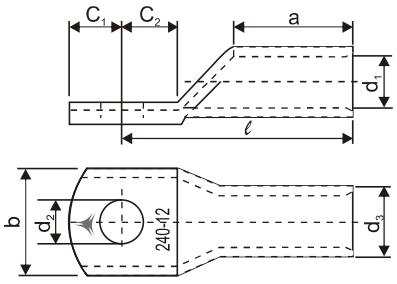
Material : E-Copper
Finish : Electro Tinned
Features : With or Without Inspection Hole

Size mm²	a	b	c_1	c_2	d_1	d_2	d_3	ℓ	P/N with inspection hole	P/N without inspection hole
800	78.0	67.0	23.0	24.0	39.0	13.0	46.3	122.0	ACUSI 800-12	ACUS 800-12
						14.7			ACUSI 800-14	ACUS 800-14
						17.0			ACUSI 800-16	ACUS 800-16
						21.0			ACUSI 800-20	ACUS 800-20
1000	86.0	76.0	23.0	24.0	43.0	17.0	53.8	135.0	ACUSI 1000-16	ACUS 1000-16
						21.0			ACUSI 1000-20	ACUS 1000-20

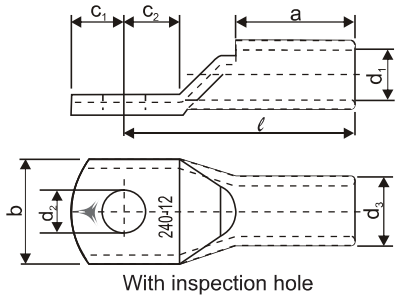
Copper Cable Lugs

DIN 46235

Confirming to IEC 61238



Without inspection hole



With inspection hole

All dimensions are in mm
Standard tolerance applies

Size mm²	a	b	c_1	c_2	d_1	d_2	d_3	ℓ	P/N with inspection hole	P/N without inspection hole
6	10.0	8.5	9.0	6.0	3.8	5.2	5.5	24.0	ACUSDT(I) 6-5	ACUSDT 6-5
			10.5	8.0		6.4			ACUSDT(I) 6-6	ACUSDT 6-6
10	10.0	9.0	9.0	6.0	4.5	5.2	6.0	27.0	ACUSDT(I) 10-5	ACUSDT 10-5
			10.5	8.0		6.4			ACUSDT(I) 10-6	ACUSDT 10-6
		11.0	13.0	10.0		8.4			ACUSDT(I) 10-8*	ACUSDT 10-8*
16	20.0	13.0	10.5	8.0	5.5	6.4	8.5	36.0	ACUSDT(I) 16-6	ACUSDT 16-6
			13.0	10.0		8.4			ACUSDT(I) 16-8	ACUSDT 16-8
			17.0	15.0	12.0		10.5			ACUSDT(I) 16-10	ACUSDT 16-10
25	20.0	14.0	10.5	8.0	7.0	6.4	10.0	38.0	ACUSDT(I) 25-6	ACUSDT 25-6
		16.0	13.0	10.0		8.4			ACUSDT(I) 25-8	ACUSDT 25-8
		17.0	15.0	12.0		10.5			ACUSDT(I) 25-10	ACUSDT 25-10
		19.0	16.0	13.0		13.0			ACUSDT(I) 25-12	ACUSDT 25-12
35	20.0	17.0	13.0	10.0	8.2	8.4	12.5	42.0	ACUSDT(I) 35-8	ACUSDT 35-8
		19.0	15.0	12.0		10.5			ACUSDT(I) 35-10	ACUSDT 35-10
		21.0	16.0	13.0		13.0			ACUSDT(I) 35-12	ACUSDT 35-12
50	28.0	20.0	13.0	10.0	10.0	8.4	14.5	52.0	ACUSDT(I) 50-8	ACUSDT 50-8
		22.0	15.0	12.0		10.5			ACUSDT(I) 50-10	ACUSDT 50-10
		24.0	16.0	13.0		13.0			ACUSDT(I) 50-12	ACUSDT 50-12
		28.0	19.0	16.0		17.0			ACUSDT(I) 50-16	ACUSDT 50-16
70	28.0	24.0	13.0	10.0	11.5	8.4	16.5	55.0	ACUSDT(I) 70-8	ACUSDT 70-8
			15.0	12.0		10.5			ACUSDT(I) 70-10	ACUSDT 70-10
			16.0	13.0		13.0			ACUSDT(I) 70-12	ACUSDT 70-12
		30.0	19.0	16.0		17.0			ACUSDT(I) 70-16	ACUSDT 70-16
95	35.0	28.0	15.0	12.0	13.5	10.5	19.0	65.0	ACUSDT(I) 95-10	ACUSDT 95-10
			16.0	13.0		13.0			ACUSDT(I) 95-12	ACUSDT 95-12
		32.0	19.0	16.0		17.0			ACUSDT(I) 95-16	ACUSDT 95-16

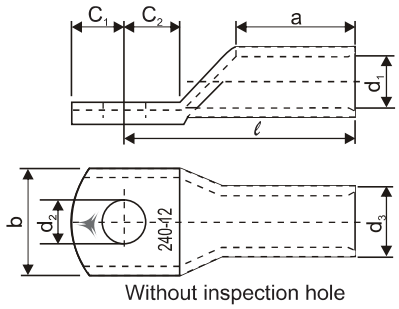
Copper Cable Lugs

DIN 46235

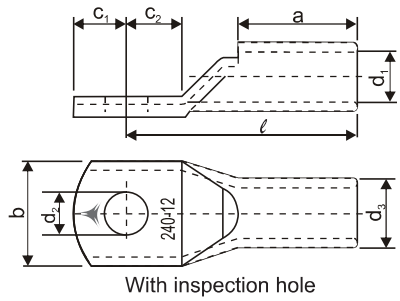
Material : E-Copper
Finish : Electro Tinned
Features : With or Without Inspection Hole

Confirming to IEC 61238

Size mm²	a	b	c_1	c_2	d_1	d_2	d_3	ℓ	P/N with inspection hole	P/N without inspection hole
120	35.0	32.0	15.0	12.0	15.5	10.5	21.0	70.0	ACUSDT(I) 120-10	ACUSDT 120-10
			16.0	13.0		13.0			ACUSDT(I) 120-12	ACUSDT 120-12
			19.0	16.0		17.0			ACUSDT(I) 120-16	ACUSDT 120-16
		38.0	22.0	20.0		21.0			ACUSDT(I) 120-20	ACUSDT 120-20
150	35.0	34.0	15.0	12.0	17.0	10.5	23.5	78.0	ACUSDT(I) 150-10	ACUSDT 150-10
			16.0	13.0		13.0			ACUSDT(I) 150-12	ACUSDT 150-12
			19.0	16.0		17.0			ACUSDT(I) 150-16	ACUSDT 150-16
		40.0	22.0	20.0		21.0			ACUSDT(I) 150-20	ACUSDT 150-20
185	40.0	37.0	15.0	12.0	19.0	10.5	25.5	82.0	ACUSDT(I) 185-10	ACUSDT 185-10
			16.0	13.0		13.0			ACUSDT(I) 185-12	ACUSDT 185-12
			17.0	14.0		14.7			ACUSDT(I) 185-14*	ACUSDT 185-14*
			19.0	16.0		17.0			ACUSDT(I) 185-16	ACUSDT 185-16
		40.0	22.0	20.0		21.0			ACUSDT(I) 185-20	ACUSDT 185-20
240	40.0	42.0	16.0	13.0	21.5	13.0	29.0	92.0	ACUSDT(I) 240-12	ACUSDT 240-12
			17.0	14.0		14.7			ACUSDT(I) 240-14*	ACUSDT 240-14*
			19.0	16.0		17.0			ACUSDT(I) 240-16	ACUSDT 240-16
			22.0	20.0		21.0			ACUSDT(I) 240-20	ACUSDT 240-20
300	50.0	48.0	16.0	13.0	24.5	13.0	32.0	100.0	ACUSDT(I) 300-12*	ACUSDT 300-12*
			17.0	14.0		14.7			ACUSDT(I) 300-14*	ACUSDT 300-14*
			19.0	16.0		17.0			ACUSDT(I) 300-16	ACUSDT 300-16
			22.0	20.0		21.0			ACUSDT(I) 300-20	ACUSDT 300-20
400	70.0	55.0	25.0	20.0	27.5	13.0	38.5	115.0	ACUSDT(I) 400-12*	ACUSDT 400-12*
						14.7			ACUSDT(I) 400-14*	ACUSDT 400-14*
						17.0			ACUSDT(I) 400-16	ACUSDT 400-16
						21.0			ACUSDT(I) 400-20	ACUSDT 400-20
500	70.0	60.0	25.0	20.0	31.0	13.0	42.0	125.0	ACUSDT(I) 500-12*	ACUSDT 500-12*
						14.7			ACUSDT(I) 500-14*	ACUSDT 500-14*
						17.0			ACUSDT(I) 500-16	ACUSDT 500-16
						21.0			ACUSDT(I) 500-20	ACUSDT 500-20
630	80.0	60.0	25.0	20.0	34.5	13.0	44.0	135.0	ACUSDT(I) 630-12*	ACUSDT 630-12*
						14.7			ACUSDT(I) 630-14*	ACUSDT 630-14*
						17.0			ACUSDT(I) 630-16*	ACUSDT 630-16*
						21.0			ACUSDT(I) 630-20	ACUSDT 630-20
800	100.0	75.0	25.0	20.0	40.0	13.0	52.0	165.0	ACUSDT(I) 800-12*	ACUSDT 800-12*
						14.7			ACUSDT(I) 800-14*	ACUSDT 800-14*
						17.0			ACUSDT(I) 800-16*	ACUSDT 800-16*
						21.0			ACUSDT(I) 800-20	ACUSDT 800-20
1000	100.0	85.0	25.0	20.0	44.0	17.0	58.0	165.0	ACUSDT(I) 1000-16*	ACUSDT 1000-16*
						21.0			ACUSDT(I) 1000-20	ACUSDT 1000-20



Without inspection hole



With inspection hole

All dimensions are in mm
Standard tolerance applies

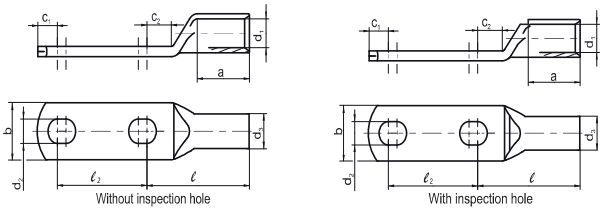
* Non DIN standard sizes

Copper Cable Lugs

Two Hole

Material : E-Copper
Finish : Electro Tinned
Features : With or Without Inspection Hole

Size mm^2	a	b	c_1	c_2	d_1	d_3	ℓ_2	ℓ	P/N with inspection hole	P/N without inspeciton hole
Two hole lugs with 12mm stud holes (d_2 = 13mm)										
25	35.0	19.0	14.0	14.0	7.0	10.0	40-60	53.0	ACUS2H(I) 25-12	ACUS2H 25-12
35	35.0	21.0			8.2	12.5		54.0	ACUS2H(I) 35-12	ACUS2H 35-12
50	35.0	28.0			10.0	14.5		55.0	ACUS2H(I) 50-12	ACUS2H 50-12
70	40.0	30.0			11.5	16.5		61.0	ACUS2H(I) 70-12	ACUS2H 70-12
95	40.0	32.0			13.5	19.0		63.0	ACUS2H(I) 95-12	ACUS2H 95-12
120	50.0	38.0			15.5	21.0		74.0	ACUS2H(I) 120-12	ACUS2H 120-12
150	50.0	40.0			17.0	23.5		75.0	ACUS2H(I) 150-12	ACUS2H 150-12
185	50.0	37.0			19.0	25.5		76.0	ACUS2H(I) 185-12	ACUS2H 185-12
240	65.0	45.0			21.5	29.0		93.0	ACUS2H(I) 240-12	ACUS2H 240-12
300	70.0	48.0			24.5	32.0		99.0	ACUS2H(I) 300-12	ACUS2H 300-12
400	70.0	55.0			27.5	38.5		102.0	ACUS2H(I) 400-12	ACUS2H 400-12
500	70.0	60.0			31.0	42.0		104.0	ACUS2H(I) 500-12	ACUS2H 500-12
630	80.0	60.0			34.5	44.0		116.0	ACUS2H(I) 630-12	ACUS2H 630-12
800	100.0	75.0			40.0	52.0		139.0	ACUS2H(I) 800-12	ACUS2H 800-12
1000	100.0	80.0			44.0	58.0		144.0	ACUS2H(I) 1000-12	ACUS2H 1000-12
Two hole lugs with 14mm stud holes (d_2 = 14.7mm)										
50	35.0	28.0	16.0	16.0	10.0	14.5	40-60	57.0	ACUS2H(I) 50-14	ACUS2H 50-14
70	40.0	30.0			11.5	16.5		63.0	ACUS2H(I) 70-14	ACUS2H 70-14
95	40.0	32.0			13.5	19.0		65.0	ACUS2H(I) 95-14	ACUS2H 95-14
120	50.0	38.0			15.5	21.0		76.0	ACUS2H(I) 120-14	ACUS2H 120-14
150	50.0	40.0			17.0	23.5		77.0	ACUS2H(I) 150-14	ACUS2H 150-14
185	50.0	37.0			19.0	25.5		78.0	ACUS2H(I) 185-14	ACUS2H 185-14
240	65.0	45.0			21.5	29.0		95.0	ACUS2H(I) 240-14	ACUS2H 240-14
300	70.0	48.0			24.5	32.0		101.0	ACUS2H(I) 300-14	ACUS2H 300-14
400	70.0	55.0			27.5	38.5		104.0	ACUS2H(I) 400-14	ACUS2H 400-14
500	70.0	60.0			31.0	42.0		106.0	ACUS2H(I) 500-14	ACUS2H 500-14
630	80.0	60.0			34.5	44.0		118.0	ACUS2H(I) 630-14	ACUS2H 630-14
800	100.0	75.0			40.0	52.0		141.0	ACUS2H(I) 800-14	ACUS2H 800-14
1000	100.0	80.0			44.0	58.0		146.0	ACUS2H(I) 1000-14	ACUS2H 1000-14



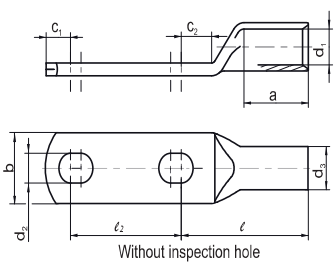
All dimensions are in mm
Standard tolerance applies

Copper Cable Lugs

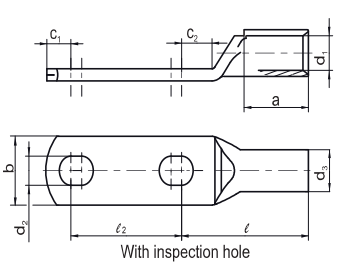
Two Hole

Material : E-Copper
Finish : Electro Tinned
Features : With or Without Inspection Hole

Size mm^2	a	b	c_1	c_2	d_1	d_3	ℓ_2	ℓ	P/N with inspection hole	P/N without inspection hole
Two hole lugs with 16mm stud holes (d_2 = 17mm)										
50	35.0	28.0	18.0	18.0	10.0	14.5	40-60	59.0	ACUS2H(I) 50-16	ACUS2H 50-16
70	40.0	30.0			11.5	16.5		65.0	ACUS2H(I) 70-16	ACUS2H 70-16
95	40.0	32.0			13.5	19.0		67.0	ACUS2H(I) 95-16	ACUS2H 95-16
120	50.0	38.0			15.5	21.0		78.0	ACUS2H(I) 120-16	ACUS2H 120-16
150	50.0	40.0			17.0	23.5		79.0	ACUS2H(I) 150-16	ACUS2H 150-16
185	50.0	37.0			19.0	25.5		80.0	ACUS2H(I) 185-16	ACUS2H 185-16
240	65.0	45.0			21.5	29.0		97.0	ACUS2H(I) 240-16	ACUS2H 240-16
300	70.0	48.0			24.5	32.0		103.0	ACUS2H(I) 300-16	ACUS2H 300-16
400	70.0	55.0			27.5	38.5		106.0	ACUS2H(I) 400-16	ACUS2H 400-16
500	70.0	60.0			31.0	42.0		108.0	ACUS2H(I) 500-16	ACUS2H 500-16
630	80.0	60.0			34.5	44.0		120.0	ACUS2H(I) 630-16	ACUS2H 630-16
800	100.0	75.0			40.0	52.0		143.0	ACUS2H(I) 800-16	ACUS2H 800-16
1000	100.0	80.0			44.0	58.0		148.0	ACUS2H(I) 1000-16	ACUS2H 1000-16
Two hole lugs with 18mm stud holes (d_2 = 18.5mm)										
120	50.0	38.0	20.0	20.0	15.5	21.0	40-60	80.0	ACUS2H(I) 120-18	ACUS2H 120-18
150	50.0	40.0			17.0	23.5		81.0	ACUS2H(I) 150-18	ACUS2H 150-18
185	50.0	37.0			19.0	25.5		82.0	ACUS2H(I) 185-18	ACUS2H 185-18
240	65.0	45.0			21.5	29.0		99.0	ACUS2H(I) 240-18	ACUS2H 240-18
300	70.0	48.0			24.5	32.0		105.0	ACUS2H(I) 300-18	ACUS2H 300-18
400	70.0	55.0			27.5	38.5		108.0	ACUS2H(I) 400-18	ACUS2H 400-18
500	70.0	60.0			31.0	42.0		110.0	ACUS2H(I) 500-18	ACUS2H 500-18
630	80.0	60.0			34.5	44.0		122.0	ACUS2H(I) 630-18	ACUS2H 630-18
800	100.0	75.0			40.0	52.0		145.0	ACUS2H(I) 800-18	ACUS2H 800-18
1000	100.0	80.0			44.0	58.0		150.0	ACUS2H(I) 1000-18	ACUS2H 1000-18



Without inspection hole



With inspection hole

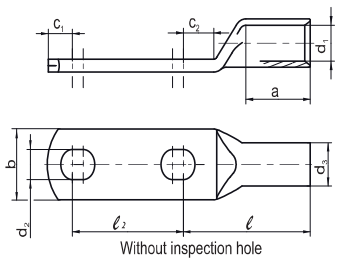
All dimensions are in mm
Standard tolerance applies

Copper Cable Lugs

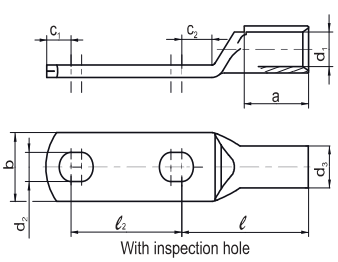
Two Hole

Material : E-Copper
Finish : Electro Tinned
Features : With or Without Inspection Hole

Size mm^2	a	b	c_1	c_2	d_1	d_3	ℓ_2	ℓ	P/N with inspection hole	P/N without inspection hole
Two hole lugs with 20mm stud holes (d_2 = 21mm)										
120	50.0	38.0	22.0	22.0	15.5	21.0	40-60	82.0	ACUS2H(I) 120-21	ACUS2H 120-21
150	50.0	40.0			17.0	23.5		83.0	ACUS2H(I) 150-21	ACUS2H 150-21
185	50.0	37.0			19.0	25.5		84.0	ACUS2H(I) 185-21	ACUS2H 185-21
240	65.0	45.0			21.5	29.0		101.0	ACUS2H(I) 240-21	ACUS2H 240-21
300	70.0	48.0			24.5	32.0		107.0	ACUS2H(I) 300-21	ACUS2H 300-21
400	70.0	55.0			27.5	38.5		110.0	ACUS2H(I) 400-21	ACUS2H 400-21
500	70.0	60.0			31.0	42.0		112.0	ACUS2H(I) 500-21	ACUS2H 500-21
630	80.0	60.0			34.5	44.0		124.0	ACUS2H(I) 630-21	ACUS2H 630-21
800	100.0	75.0			40.0	52.0		147.0	ACUS2H(I) 800-21	ACUS2H 800-21
1000	100.0	80.0			44.0	58.0		152.0	ACUS2H(I) 1000-21	ACUS2H 1000-21



Without inspection hole



With inspection hole

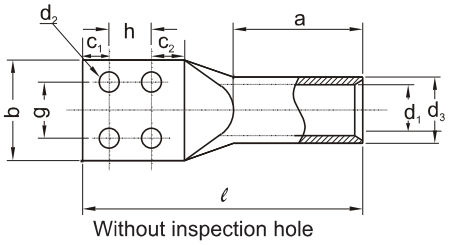
All dimensions are in mm
Standard tolerance applies

Copper Cable Lugs

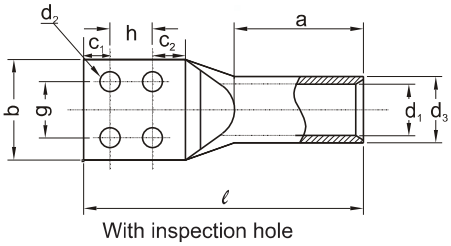
Four Hole

Material : E-Copper
Finish : Electro Tinned
Features : With or Without Inspection Hole

Size mm^2	a	b	d_1	d_2	d_3	g	h	ℓ	P/N with inspection hole	P/N without inspection hole
Four hole lugs with c_1 & c_2 = 12.0										
240	65.0	56.0	21.5	8.4	29.0	35.0	45.0	128.0	ACUS4H(I) 240-8	ACUS4H 240-8
				10.5					ACUS4H(I) 240-10	ACUS4H 240-10
300	70.0	56.0	24.5	8.4	32.0			134.0	ACUS4H(I) 300-8	ACUS4H 300-8
				10.5					ACUS4H(I) 300-10	ACUS4H 300-10
400	70.0	56.0	27.5	8.4	38.5			137.0	ACUS4H(I) 400-8	ACUS4H 400-8
				10.5					ACUS4H(I) 400-10	ACUS4H 400-10
500	70.0	60.0	31.0	8.4	42.0			139.0	ACUS4H(I) 500-8	ACUS4H 500-8
				10.5					ACUS4H(I) 500-10	ACUS4H 500-10
630	80.0	60.0	34.5	8.4	44.0			151.0	ACUS4H(I) 630-8	ACUS4H 630-8
				10.5					ACUS4H(I) 630-10	ACUS4H 630-10
800	100.0	75.0	40.0	8.4	52.0			174.0	ACUS4H(I) 800-8	ACUS4H 800-8
				10.5	40.0				ACUS4H(I) 800-10	ACUS4H 800-10
1000	100.0	85.0	44.0	8.4	44.0			179.0	ACUS4H(I) 1000-8	ACUS4H 1000-8
				10.5					ACUS4H(I) 1000-10	ACUS4H 1000-10



Without inspection hole



With inspection hole

All dimensions are in mm
Standard tolerance applies

Copper Cable Inline Connectors

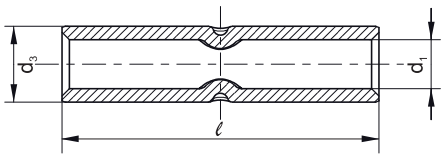
Standard & DIN 46267 (PT.1)

Material : E-Copper
Finish : Electro Tinned

Size mm^2	d_1	d_3	ℓ	P/N
STANDARD COPPER INLINE CONNECTORS				
1.5	1.8	3.8	25.0	ACIL 1.5
2.5	2.4	4.0	25.0	ACIL 2.5
4	3.1	4.8	25.0	ACIL 4
6	3.8	5.5	25.0	ACIL 6
10	4.5	6.2	30.0	ACIL 10
16	5.5	7.8	35.0	ACIL 16
25	7.0	9.0	40.0	ACIL 25
35	8.0	10.0	45.0	ACIL 35
50	9.2	11.2	50.0	ACIL 50
70	11.6	13.8	55.0	ACIL 70
95	12.8	15.6	60.0	ACIL 95
120	14.8	17.8	65.0	ACIL 120
150	16.0	19.8	70.0	ACIL 150
185	18.0	22.0	75.0	ACIL 185
240	22.0	26.0	85.0	ACIL 240
300	24.0	28.7	95.0	ACIL 300
400	28.0	33.2	145.0	ACIL 400
500	30.0	36.0	150.0	ACIL 500
630	35.0	41.5	150.0	ACIL 630
800	39.0	46.3	200.0	ACIL 800
1000	43.0	53.8	200.0	ACIL 1000

Size mm^2	d_1	d_3	ℓ	P/N
DIN 46267 (PT.1) COPPER INLINE CONNECTORS				
6	3.8	5.5	30.0	ACILD 6
10	4.5	6.0	30.0	ACILD 10
16	5.5	8.5	50.0	ACILD 16
25	7.0	10.0	50.0	ACILD 25
35	8.2	12.5	50.0	ACILD 35
50	10.0	14.5	56.0	ACILD 50
70	11.5	16.5	56.0	ACILD 70
95	13.5	19.0	70.0	ACILD 95
120	15.5	21.0	70.0	ACILD 120
150	17.0	23.5	80.0	ACILD 150
185	19.0	25.5	85.0	ACILD 185
240	21.5	29.0	90.0	ACILD 240
300	24.5	32.0	100.0	ACILD 300
400	27.5	38.5	150.0	ACILD 400
500	31.0	42.0	160.0	ACILD 500
630	34.5	44.0	160.0	ACILD 630
800	40.0	52.0	200.0	ACILD 800
1000	44.0	58.0	200.0	ACILD 1000

Confirming to IEC 61238



All dimensions are in mm
Standard tolerance applies

UCT™
INTERNATIONAL

COPPER BONDED EARTH RODS AND ACCESSORIES

Copper Bonded Earth Rod – Pointed

Rod Diameter mm	Part Number	Length mm
12.7	CBE-127-1400	1400
12.7	CBE-127-1800	1800
14.2	CBE-142-1500	1500
14.2	CBE-142-1800	1800
14.2	CBE-142-2400	2400
19	CBE-190-1800	1800
19	CBE-190-2400	2400
19	CBE-190-3000	3000

Copper Bonded Earth Rod – Threaded

Rod Diameter mm	Part Number	Length mm
13	CBET-130-1400	1400
13	CBET-130-1800	1800
15	CBET-150-1800	1800
15	CBET-150-2400	2400
15	CBET-150-3000	3000
19	CBET-190-1400	1400
19	CBET-190-1800	1800
19	CBET-190-3000	3000

Threaded Rod Couplers

Rod Diameter mm	Part Number
13	CBET-130-COUPLER
15	CBET-150-COUPLER
19	CBET-190-COUPLER

Unthreaded Rod Couplers

Rod Diameter mm	Part Number
12.7	CBE-127-COUPLER
14.2	CBE-142-COUPLER
19	CBE-190-COUPLER

Threaded Rod Driving Stud

Rod Diameter mm	Part Number
13	DS-13
15	DS-15
19	DS-19

STE Series Stainless Steel Clad Rods

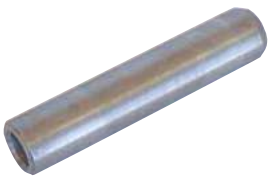
Rod Length	13mm Dia.	Pack/ Bulk Quantity	14mm Dia.	Pack/ Bulk Quantity
1200	STE1312	10/500	STE1412	10/500
1440	STE1314	10/500	STE1415	10/500
1800	STE1318	5/500	STE1418	5/500
2400	STE1324	5/500	STE1424	5/500
3000	STE1330	1/50	STE1430	1/40

Stainless Steel Earth Rod Accessories

Coupling	SCT13	10/100	SCT15	10/100
Point	DPT12	50/200	DPT15	50/200
Star Point	SDP12T	10/100	SDP15T	10/100

Driving Points

Part Number	Description
DPT12	Average Driving Point 13mm
DPT15	Average Driving Point 19mm
SDP12T	Hard Driving Point 13mm
SDP15T	Hard Driving Point 19mm



Stainless Steel Clad Rod

Earth Rod Clamps

Single Conductor – Parallel

The Pinch and U-Bolt clamps are simple, robust and have a 'V' groove in the casting to accommodate the earthing cable.

Material: Copper alloy casting, bronze set screw or stainless steel U-Bolt and nuts.

Type GRC5

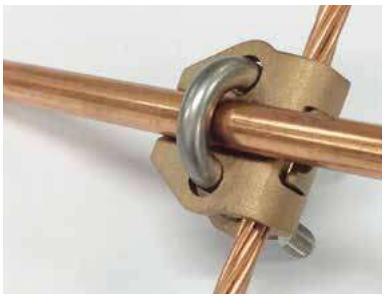
Clamp 210

			Conductor Size	
Part Number	Pack Quantity	Rod Diameter mm	CSA mm ^{2}	Diameter mm
GRC5	100	13 - 15	10 - 35	4.05 - 7.65
CLAMP 210	10/50	13 - 15	16 - 120	5.10 - 14.21
EP1	40	17 - 19	16 - 120	5.10 - 14.21

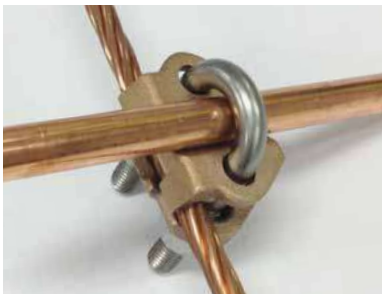
Single Conductor – Versatile

The clamps are designed for either parallel or right angle connections.

Parallel Connection



Right Angle Connection



Right Angle Connection

Material: High copper content alloy castings with stainless steel U-Bolt, spring washers and nuts.

Type GB1

Type GB2

			Conductor Size	
Part Number	Pack Quantity	Rod Diameter mm	CSA mm ^{2}	Diameter mm
GB1	25	13 - 19	16 - 35	5.1 - 7.7
GB2	20	13 - 19	50 - 120	8.9 - 14.2
GB3	10	13 - 19	150 - 185	15.7 - 17.6
EL21090	10	12 - 15	35 - 120	7.6 - 14.2

Multiple conductor installations for multi-conductor earthing

For two earth conductors parallel to rod or two or three earth conductors at right angles to rod.

Material: High copper content alloy castings with stainless steel U-Bolt, spring washers and nuts.

Type EP3

Type ET1

Earth rod clamp configurations

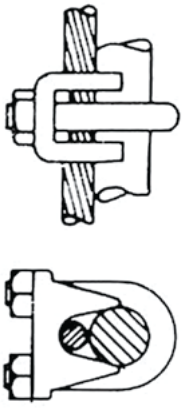


Image No. 1

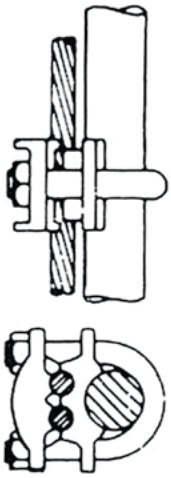


Image No. 2

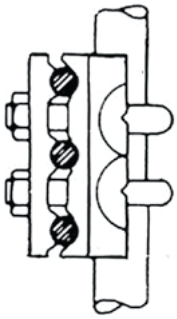


Image No. 3

			Conductor Size			
Part Number	Pack Quantity	Rod	CSA mm ^{2}	Diameter mm	No. Of Conductors	Image No.
EP3	20	13 - 19	16 - 35	5.1 – 7.7	2	1
EP4	20	13 - 19	50 - 120	8.9 – 14.2	2	1
ET1	25	13 - 19	16 - 35	5.1 – 7.7	2	2
ET2	15	13 - 19	50 - 120	8.9 – 14.2	2	2
ET4	10	13 - 19	50 - 120	8.9 - 14.2	3	3

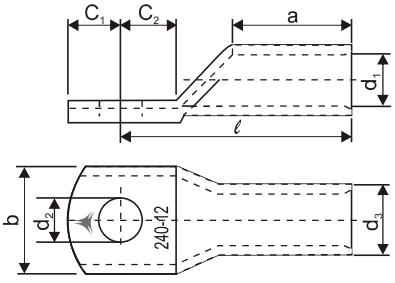
Aluminium Cable Lugs Long Barrel

Tube Size according to DIN 46329

Material : E-Aluminium
Finish : Electro Tinned

Size mm² (rm/sm)	Size mm² (se)	a	b	c_1	c_2	d_1	d_2	d_3	ℓ	P/N
16	-	32.0	18.0	9.0	12.0	5.8	8.4	12.0	49.0	ALSLB 16-8
							10.5			ALSLB 16-10
25	-	38.0	18.0	9.0	12.0	6.8	8.4	12.0	57.0	ALSLB 25-8
							10.5			ALSLB 25-10
35	50.0	42.0	21.0	11.0	11.0	8.0	8.4	14.0	60.0	ALSLB 35-8
							10.5			ALSLB 35-10
				12.0	13.0		13.0		62.0	ALSLB 35-12
50	70.0	45.0	25.0	11.0	13.0	9.8	8.4	16.0	66.0	ALSLB 50-8
							10.5			ALSLB 50-10
				12.0			13.0			ALSLB 50-12
70	95	55.0	28.0	13.0	13.0	11.2	8.4	18.5	76.0	ALSLB 70-8
							10.5			ALSLB 70-10
							13.0			ALSLB 70-12
95	120	56.0	32.0	14.0	14.0	13.2	10.5	22.0	78.0	ALSLB 95-10
							13.0			ALSLB 95-12
120	150	56.0	34.0	15.0	15.0	14.7	10.5	23.0	82.0	ALSLB 120-10
							13.0			ALSLB 120-12
				16.0	16.0		17.0			ALSLB 120-16
150	185	63.0	35.0	17.0	17.0	16.3	10.5	25.0	91.0	ALSLB 150-10
							13.0			ALSLB 150-12
							17.0			ALSLB 150-16
185	240	65.0	40.0	18.0	18.0	18.3	10.5	28.5	95.0	ALSLB 185-10
							13.0			ALSLB 185-12
							17.0			ALSLB 185-16
240	300	70.0	45.0	22.0	22.0	21.0	13.0	32.0	106.0	ALSLB 240-12
							17.0			ALSLB 240-16
							21.0			ALSLB 240-20
300	-	75.0	49.0	27.0	27.0	23.3	13.0	34.0	116.0	ALSLB 300-12
							17.0			ALSLB 300-16
							21.0			ALSLB 300-20
400	-	95.0	58.0	30.0	30.0	26.0	13.0	38.5	139.0	ALSLB 400-12
							17.0			ALSLB 400-16
							21.0			ALSLB 400-20
500	-	115.0	60.0	32.0	32.0	29.0	13.0	44.0	162.0	ALSLB 500-12
							17.0			ALSLB 500-16
							21.0			ALSLB 500-20
630	-	135.0	75.0	34.0	34.0	32.0	13.0	46.0	184.0	ALSLB 630-12
							17.0			ALSLB 630-16
							21.0			ALSLB 630-21
800	-	150.0	83.0	39.0	39.0	36.0	21.0	52.0	211.0	ALSLB 800-21
1000	-	165.0	87.0	45.0	45.0	41.0	21.0	56.0	240.0	ALSLB 1000-21

rm = round multi strand wire
sm = sector shape multi strand wire
se = sector shape single solid wire
Sector shape conductor should be pre-rounded



All dimensions are in mm
Standard tolerance applies

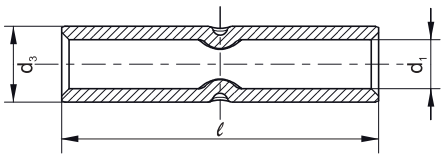
Aluminium Cable Inline Connectors

DIN 46267 (PT.2)

Material : E-Aluminium
Finish : Electro Tinned

Size mm² (rm/sm)	Size mm² (se)	d_1	d_3	ℓ	P/N
DIN 46267 (PT.2) ALUMINIUM INLINE CONNECTORS					
16	-	5.8	12.0	55.0	ALSIL 16
25	-	6.8	12.0	70.0	ALSIL 25
35	50	8.0	14.0	85.0	ALSIL 35
50	70	9.8	16.0	85.0	ALSIL 50
70	95	11.2	18.5	105.0	ALSIL 70
95	120	13.2	22.0	105.0	ALSIL 95
120	150	14.7	23.0	105.0	ALSIL 120
150	185	16.3	25.0	125.0	ALSIL 150
185	240	18.3	28.5	125.0	ALSIL 185
240	300	21.0	32.0	145.0	ALSIL 240
300	-	23.3	34.0	145.0	ALSIL 300
400	-	26.0	38.0	210.0	ALSIL 400
500	-	29.0	44.0	210.0	ALSIL 500
630	-	32.0	46.0	330.0	ALSIL 630
800	-	36.0	52.0	350.0	ALSIL 800
1000	-	41.0	56.0	350.0	ALSIL 1000

rm = round multi strand wire
sm = sector shape multi strand wire
se = sector shape single solid wire
Sector shape conductor should
be pre-rounded



All dimensions are in mm
Standard tolerance applies

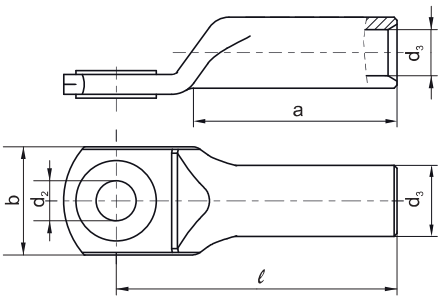
Bimetallic Cable Lugs with CU Washer

For Aluminium Conductor & Copper Bus Bar

Material : E-Aluminium / Copper
Finish : Bright / Electro-Tinned

Size mm² (rm/sm)	Size mm² (se)	a	b	d_1	d_2	d_3	ℓ	P/N
16	-	32.0	18.0	6.0	8.4	12.0	52.0	AWBML 16-8
					10.5			AWBML 16-10
25	-	30.0	25.0	6.8	10.5	12.0	60.0	AWBML 25-10
					13.0			AWBML 25-12
35	50.0	42.0	30.0	8.0	10.5	14.0	67.0	AWBML 35-10
					13.0			AWBML 35-12
50	70.0	45.0	30.0	9.8	10.5	16.0	72.0	AWBML 50-10
					13.0			AWBML 50-12
70	95	55.0	32.0	11.2	10.5	18.5	86.0	AWBML 70-10
					13.0			AWBML 70-12
95	120	55.0	35.0	13.2	10.5	22.0	90.0	AWBML 95-10
					13.0			AWBML 95-12
120	150	55.0	38.0	14.7	13.0	23.0	91.0	AWBML 120-12
					17.0			AWBML 120-16
150	185	63.0	41.0	16.3	13.0	25.0	103.0	AWBML 150-12
					17.0			AWBML 150-16
					21.0			AWBML 150-20
185	240	65.0	46.0	18.3	13.0	28.5	106.0	AWBML 185-12
					17.0			AWBML 185-16
					21.0			AWBML 185-20
240	300	70.0	49.0	21.0	13.0	32.0	116.0	AWBML 240-12
					17.0			AWBML 240-16
					21.0			AWBML 240-20
300	-	75.0	51.0	23.3	13.0	34.0	124.0	AWBML 300-12
					17.0			AWBML 300-16
					21.0			AWBML 300-20

rm = round multi strand wire
sm = sector shape multi strand wire
se = sector shape single solid wire
Sector shape conductor should be pre-rounded



All dimensions are in mm
Standard tolerance applies

Friction Welded Bimetallic & Mechanical Shear Bolt Cable Lugs & Connectors

For dimensional drawing and other details contact us

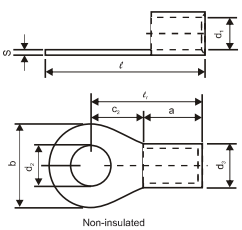
All dimensions are in mm
Standard tolerance applies

Ring Terminals
Non-Insulated & Insulated

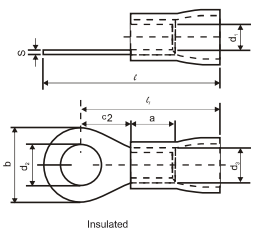
Standard Ring Terminals

Material : Copper
Finish : Electro-Tinned

Size mm²	d_1	d_2	d_3	b	s	a	c_2	ℓ_1	ℓ	P/N	c_2	ℓ_1	ℓ	P/N
							NON INSULATED TYPE				INSULATED TYPE			
0.5-1.5	1.6	3.2	3.2	6.0	0.8	5.0	6.0	11.0	14.0	ARS-7001	4.0	16.0	19.0	ARSI-7054
		3.7								ARS-7002				ARSI-7055
		4.2								ARS-7003				ARSI-7056
				8.0			7.0	12.0	16.0	ARS-7004	5.0	17.0	21.0	ARSI-7061
		5.2								ARS-7005				ARSI-7062
				10.0			8.0	13.0	18.0	ARS-7006	6.0	18.0	23.0	ARSI-7065
		6.4								ARS-7007				ARSI-7066
2.5	2.3	3.7	3.9	6.5	0.8	5.0	4.5	9.5	12.7	ARS-7008	3.5	14.5	17.7	ARSI-7069
		4.2		8.0			7.0	12.0	16.0	ARS-7009	5.0	17.0	21.0	ARSI-7071
		5.2								ARS-7010				ARSI-7072
		6.4		10.0			8.0	13.0	18.0	ARS-7011	7.0	18.0	23.0	ARSI-7074
				12.0			11.0	16.0	22.0	ARS-7012	9.0	21.0	27.0	ARSI-7076
		8.2								ARS-7013				ARSI-7077
				16.0			12.0	17.0	25.0	ARS-7014	10.0	22.0	30.0	ARSI-7079
		10.2		18.0			15.0	20.0	29.0	ARS-7015	14.0	25.0	34.0	ARSI-7081
4-6	3.5	5.2	5.5	10.0	1.0	6.0	8.0	14.0	20.0	ARS-7016	5.0	22.0	27.0	ARSI-7086
		6.4		12.0						ARS-7017	6.0		28.0	ARSI-7089
		8.2								ARS-7018				ARSI-7090



Non-insulated



Insulated

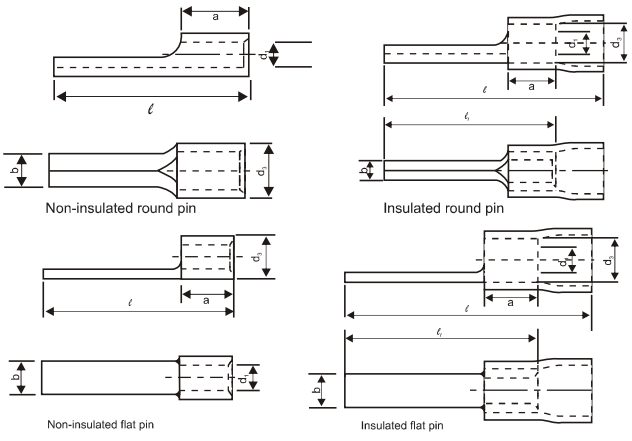
All dimensions are in mm
Standard tolerance applies

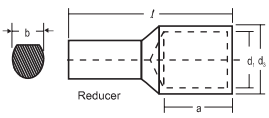
Pin Terminals
Non-Insulated & Insulated

Standard Pin Terminals

Material : Copper
Finish : Electro-Tinned

Size mm^2	d_1	d_3	b	a	ℓ	P/N	ℓ_1	ℓ	P/N
					NON INSULATED		INSULATED		
ROUND PIN									
0.5-1.5	1.6	3.2	1.9	5.0	17.0	ACP-9	17.0	22.0	ACPI-17
2.5	2.3	3.9	1.9	5.0	17.0	ACP-1	17.0	22.0	ACPI-18
4-6	2.9	4.9	2.7	6.0	20.0	ACP-3	20.0	28.0	ACPI-19
FLAT PIN									
0.5-1.5	1.6	3.2	3.1	5.0	17.0	ACP-35	17.0	22.0	ACPI-40
2.5	2.3	3.9	3.1	5.0	17.0	ACP-2	17.0	22.0	ACPI-19
4-6	2.9	4.9	5.1	6.0	20.0	ACP-5	20.0	36.0	ACPI-20
10	4.3	6.7	4.3	8.0	22.0	ACP-7	-	-	-
16	5.8	8.2	5.5	10.0	26.0	ACP-8	-	-	-
PIN REDUCER									
25	7.0	9.0	6.0	12.0	32.0	AWPC-25	-	-	-
35	8.0	10.0	7.5	12.0	37.0	AWPC-35	-	-	-
50	9.2	11.2	7.5	16.0	41.0	AWPC-50	-	-	-
70	11.3	13.8	7.5	18.0	43.0	AWPC-70	-	-	-
95	12.8	15.6	11.5	20.0	51.0	AWPC-95	-	-	-





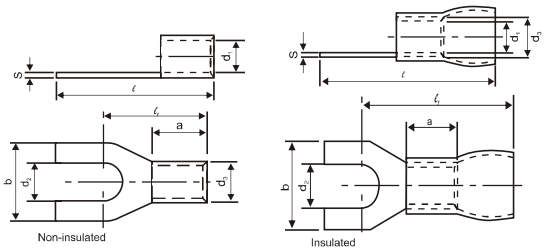
All dimensions are in mm
Standard tolerance applies

Fork Terminals
Non-Insulated & Insulated

Standard Ring Terminals

Material : Copper
Finish : Electro-Tinned

Size mm²	d_1	d_2	d_3	b	s	a	ℓ_1	ℓ	P/N	ℓ_1	ℓ	P/N
							NON-INSULATED			INSULATED		
1.5	1.7	3.6	3.2	6.8	0.8	5.0	11.1	14.5	AFT-7249	15.0	19.0	AFTI-7926
2.5	2.3	3.6	3.9	6.5	0.8	5.0	11.0	14.0	ARF-7251	16.8	20.0	AFTI-7928
4-6	3.5	3.6	5.5	6.0	1.0	6.0	11.0	15.0	ATF-7253	21.0	24.0	AFTI-7931

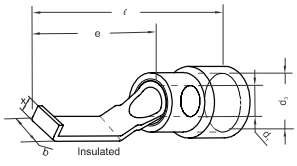


Hook Blade Terminals
Insulated

Standard Hook Blade Terminals

Material : Copper
Finish : Electro-Tinned

Size mm²	d_1	d_3	b	x	e	ℓ	P/N
1.5	1.6	3.2	3.0	1.7	17.5	28.4	AIHBL 1.5-3
			4.6				AIHBL 1.5-4
2.5	2.6	3.9	3.0	1.7	17.5	28.4	AIHBL 2.5-3
			4.6				AIHBL 2.5-4
4-6	3.6	5.6	4.6	1.9	17.5	32.7	AIHBL 4/6-4



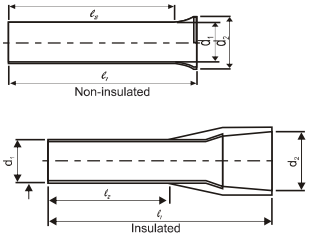
All dimensions are in mm
Standard tolerance applies

Bootlace Terminals
Non-Insulated & Insulated

Standard Bootlace Terminals

Material : Copper
Finish : Electro-Tinned

Size mm^2	d_1	d_2	ℓ_1	ℓ_2	P/N	d_2	ℓ_1	ℓ_2	P/N
		NON INSULATED				INSULATED			
1.5	1.7	2.5	7.0	6.0	AEH 1.5-6	3.5	14.3	8.0	AEHI 1.5-8
			10.0	8.0	AEH 1.5-8		16.3	10.0	AEHI 1.5-10
			12.0	10.0	AEH 1.5-10		18.3	12.0	AEHI 1.5-12
			18.0	16.0	AEH 1.5-16		24.3	18.0	AEHI 1.5-18
2.5	2.3	3.3	7.0	6.0	AEH 2.5-6	4.0	15.4	8.0	AEHI 2.5-8
			10.0	8.0	AEH 2.5-8		16.4	10.0	AEHI 2.5-10
			12.0	10.0	AEH 2.5-10		19.4	12.0	AEHI 2.5-12
			18.0	16.0	AEH 2.5-16		24.4	18.0	AEHI 2.5-18
4-6	3.5	4.7	10.0	8.0	AEH 4/6-8	6.0	17.4	10.0	AEHI 4/6-10
			12.0	10.0	AEH 4/6-10		19.4	12.0	AEHI 4/6-12
			15.0	12.0	AEH 4/6-12		22.4	16.0	AEHI 4/6-16
			18.0	16.0	AEH 4/6-16		25.4	18.0	AEHI 4/6-18



All dimensions are in mm
Standard tolerance applies

Industrial Brass Cable Glands & Accessories

for Armoured and Unarmoured Cables

Industrial Cable Glands

Cable glands is a mechanical cable entry device designed to permit the entry of a cable into electrical equipment and which provides sealing and retention. It may also provide other functions such as earthing (or grounding), bonding, insulation, strain relief or a combination of these. Cable glands can be constructed from metallic or non-metallic material.

Industrial Cable Gland Specification:

The BS 6121 was established as a construction standard, to which products could be designed and tested, and they simply either met or didn't meet the scope. More recent standards have been introduced EN 50262 in 1999 and latest IEC 62444 in 2010. All these new recent standards are performance based which provides manufacturers the opportunity of meeting its requirements by degrees of performance. The current IEC standard for "Cable Gland for Electrical Installations", IEC 62444 was published in 2010 which is similar to EN 50262 in that it is also a performance based standard, allowing manufacturers to produce cable glands of varying degrees of robustness. IEC 62444 classifies cable glands, according to material, mechanical properties, electrical properties, resistance to external influences and sealing system. This can be explained as follows:

Mechanical Properties:

- Cable retention test (test intended to demonstrate cable pull out resistance)
- Cable anchorage test (test intended to show resistance to cable twisting)
- Resistance to impact
- Seal performance

Electrical Properties:

- Equipotential bonding of electrical equipment
- Equipotential bonding of metallic layer(s) of cable
- Protective connection to earth
- Electrical current test

Resistance to External Influences:

- Degree of protection in accordance with IEC 60529 (IEC Code)
- Resistance to corrosion
- Resistance to ultraviolet light

General Points to be considered for Cable Glands:

Once classification of gland being to used is confirmed, there are many points to be considered which helps in maintaining the overall integrity of the installation.

Type of Cable : Unarmoured cables will require the outer sheath seal within the gland to provide ingress protection and a degree of retention. Armoured cables will require the gland that features a clamping mechanism to terminate the armour both mechanically and electrically. The gland will usually be required to provide ingress protection by sealing on the outer sheath and retention by clamping the armour. Armour cables feature an inner sheath that the gland may be required to seal on.

Correct size of Gland : The entry thread (i.e. M20) is not, as often perceived the gland size but simply the entry thread size and specification. It is important to understand that selection of the correct gland size is based solely on - outer sheath diameter, and where applicable - inner sheath diameter (under armour), armour braid and tape thickness.

Ingress Protection : It is essential when selecting cable glands and or accessories to ensure that the products will maintain the IP rating of the requirements and the integrity of installation.

Industrial Cable Glands

TABLE 1: BORE SIZES REFERENCED IN BS 6121 PART 1 : 1989, (TABLES 1 TO 6)												
Cable Gland Size	16	20s	20	25	32	40	50s	50	63s	63	75s	75
Entry Thread Size	M20 or M16	M20	M20	M25	M32	M40	-	M50	-	M63	-	M75
Bore Size	8.7	11.7	14.0	20.0	26.3	32.2	38.2	44.1	50.1	56.0	62.0	68.0
Permitted Tolerance	+0.3mm	+0.3mm	+0.3mm	+0.3mm	+0.5mm	+0.5mm	+0.5mm	+0.5mm	+0.5mm	+0.5mm	+0.5mm	+0.5mm
Maximum Bore Size	9.0	12.0	14.3	20.3	26.8	32.7	38.7	44.6	50.6	56.5	62.5	68.5

TABLE 2: IEC 62444 - PULL FORCE FOR CABLE RETENTION AND CABLE ANCHORAGE					
Cable Diameter	Cable Retention	Cable Anchorage for Non-Armoured Cables		Cable Anchorage for Armoured Cables	
		Type A	Type B	Type C	Type D
mm	N	N	N	N	N
Upto 4	5	-	-	-	-
>4 to 8	10	30	75	75	640
>8 to 11	15	42	120	120	880
>11 to 16	20	55	130	130	1280
>16 to 23	25	70	140	140	1840
>23 to 31	30	80	250	250	2480
>31 to 43	45	90	350	350	3440
>43 to 55	55	100	400	400	4400
>55	70	115	450	450	5600

TABLE 4: IEC 62444 - IMPACT VALUES								
Category	1	2	3	4	5	6	7	8
Energy J	0.2 ± 10%	0.5 ± 10%	1.0 ± 10%	2.0 ± 15%	4.0 ± 5%	7.0 ± 5%	10.0 ± 5%	20.0 ± 5%
Mass kg	0.2	0.2	0.2	0.2	1.0	1.0	1.0	2.0
Height m	0.10	0.25	0.50	1.00	0.40	0.70	1.00	1.00
Note: Mass and height may vary in degrees necessary to achieve the required energy.								

TABLE 5: IEC 62444 - ELECTRICAL CURRENT VALUES			
Cable Φ (mm)	Minimum kA rms		
	Category A	Category B	Category C
>8 to 11	0.5	3.1	10.0
>11 to 16	0.5	3.1	13.1
>16 to 23	0.5	3.1	13.1
>23 to 31	0.5	4.0	13.1
>31 to 43	0.5	5.4	13.1
>43 to 55	1.8	7.2	43.0
>55 to 65	2.3	10.4	43.0
>65	2.8	10.4	43.0
Note 1: Category A is the minimum requirement, which applies in cases where a cable armour, other than steel wire, is the limiting factor.			
Note 2: Category B is the medium requirement, which applies in cases where a steel wire armoured cable is used and the system includes a high sensitivity method of protection against fault currents.			
Note 3: Category C is the highest requirement, which applies in cases where a steel wire armoured cable is used and the system relies on a low sensitivity method of protection against fault currents.			

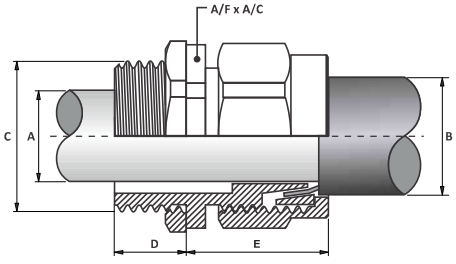
TABLE 3: IEC 62444 - TORQUE VALUE FOR CABLE ANCHORAGE TWIST TEST	
Cable Diameter mm	Torque Nm
>4 to 8	0.10
>8 to 11	0.15
>11 to 16	0.35
>16 to 23	0.60
>23 to 31	0.80
>31 to 43	0.90
>43 to 55	1.00
>55	1.20

BW (3Part) Industrial Brass Cable Gland Kit

For Armoured Cable

Technical Data	
Design Specification	BS 6121-1-1989
Application	BW type brass indoor cable gland for use with all types of SWA cable providing mechanical cable retention and electrical continuity via armour wire termination
Gland Material	Brass / Aluminium
Armour Clamping	Three part gland, armour clamping system with armour ring

Cable Gland Size	Max. Bedding Diameter "A"	Max. Overall Cable Diameter "B"	Standard Thread Size "C" Metric	Thread Length "D"	Armour Range		Across Flat A/F	Across Corner A/C	Protrusion Length "E"	P/N
					Min.	Max.				
20s/16	9.00	13.50	20.00	10.00	0.90	0.90	22.00	24.25	17.00	ABW-16
20s	12.50	16.00	20.00	10.00	0.90	1.25	22.00	24.25	17.00	ABW-20S
20	15.00	20.00	20.00	10.00	0.90	1.25	26.00	28.75	17.50	ABW-20
25s	18.50	24.00	25.00	10.00	1.25	1.60	30.00	33.00	19.00	ABW-25S
25	20.50	27.00	25.00	10.00	1.25	1.60	32.00	35.00	20.25	ABW-25
32	27.25	34.00	32.00	10.00	1.60	2.00	40.50	45.00	20.50	ABW-32
40s	31.00	37.50	40.00	14.00	1.60	2.00	44.50	50.00	21.00	ABW-40S
40	34.50	41.00	40.00	14.00	1.60	2.00	47.50	52.00	22.00	ABW-40
50s	41.00	48.00	50.00	14.00	2.00	2.50	56.50	61.50	21.50	ABW-50S
50	44.50	54.00	50.00	14.00	2.00	2.50	61.00	65.00	24.25	ABW-50
63s	51.50	59.00	63.00	15.00	2.50	2.50	67.50	72.00	26.00	ABW-63S
63	56.75	65.00	63.00	15.00	2.50	2.50	75.00	80.00	26.00	ABW-63
75s	64.00	72.00	75.00	15.00	2.50	2.50	85.00	90.00	29.25	ABW-75S
75	69.00	78.00	75.00	15.00	2.50	2.50	90.00	95.00	30.25	ABW-75
90	80.00	90.00	90.00	16.00	3.15	3.15	100.00	110.00	36.50	ABW-90



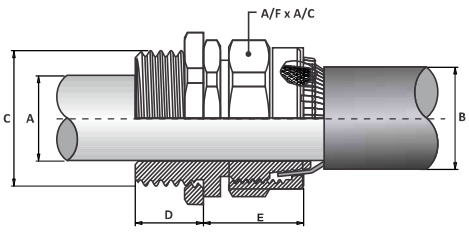
All dimensions are in mm
Standard tolerance applies

BW (2Part) Industrial Brass Cable Gland Kit

For Armoured Cable

Technical Data	
Design Specification	BS 6121-1-1989
Application	BW type brass indoor cable gland for use with all types of SWA cable providing mechanical cable retention and electrical continuity via armour wire termination
Gland Material	Brass / Aluminium
Armour Clamping	Two part gland, armour clamping system **without** armour ring

Cable Gland Size	Max. Bedding Diameter "A"	Max. Overall Cable Diameter "B"	Standard Thread Size "C" Metric	Thread Length "D"	Armour Range		Across Flat A/F	Across Corner A/C	Protrusion Length "E"	P/N
					Min.	Max.				
20s/16	9.00	13.50	20.00	10.00	0.90	0.90	22.00	24.25	15.70	ABW(2)-16
20s	12.50	16.00	20.00	10.00	0.90	1.25	22.00	24.25	15.70	ABW(2)-20S
20	15.00	20.00	20.00	10.00	0.90	1.25	26.00	28.72	17.20	ABW(2)-20
25	20.50	27.50	25.00	10.00	1.25	1.60	32.00	35.00	25.20	ABW(2)-25
32	27.25	34.50	32.00	10.00	1.60	2.00	40.50	45.00	21.50	ABW(2)-32
40	33.30	41.50	40.00	15.00	1.60	2.00	47.50	52.00	23.20	ABW(2)-40
50s	38.50	47.00	50.00	15.00	2.00	2.50	56.50	61.50	26.80	ABW(2)-50S
50	44.50	52.00	50.00	15.00	2.00	2.50	61.00	65.00	27.20	ABW(2)-50
63s	51.00	59.20	63.00	15.00	2.50	2.50	67.50	72.00	27.50	ABW(2)-63S
63	56.80	65.50	63.00	15.00	2.50	2.50	75.00	80.00	28.50	ABW(2)-63
75s	64.00	74.00	75.00	15.00	2.50	2.50	85.00	90.00	29.40	ABW(2)-75S
75	68.20	79.50	75.00	15.00	2.50	2.50	90.00	95.00	30.00	ABW(2)-75
90	82.80	91.00	90.00	15.00	2.50	2.50	100.00	110.00	40.00	ABW(2)-90



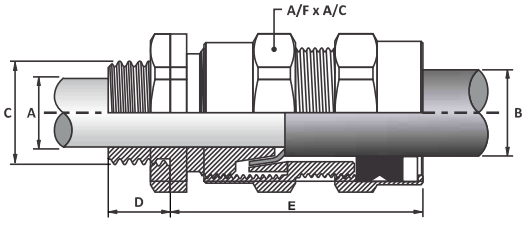
All dimensions are in mm
Standard tolerance applies

CW (4Part) Industrial Brass Cable Gland Kit

For Armoured Cable

Technical Data	
Design Specification	BS 6121-1-1989, IEC 62444-2010
Application	CW type brass indoor/outdoor cable gland for use with all types of SWA cable providing mechanical cable retention and electrical continuity via armour wire termination as well as environmental seal on cable outer sheath
Gland Material	Brass / Aluminium
Armour Clamping	Four part gland, armour clamping system with armour ring

Cable Gland Size	Max. Bedding Diameter "A"	Overall Cable Diameter "B"		Standard Thread Size "C" Metric	Thread Length "D"	Armour Range		Across Flat A/F	Across Corner A/C	Protrusion Length "E"	P/N
		Min.	Max.			Min.	Max.				
20s/16	9.00	6.60	13.50	20.00	10.00	0.90	0.90	22.00	24.25	35.00	ACW-16
20s	12.50	10.50	16.00	20.00	10.00	0.90	1.25	22.00	24.25	35.00	ACW-20S
20	15.00	14.00	20.00	20.00	10.00	0.90	1.25	26.00	28.75	34.25	ACW-20
25s	18.50	16.50	24.00	25.00	10.00	1.25	1.60	30.00	33.00	37.50	ACW-25S
25	20.50	22.00	27.00	25.00	10.00	1.25	1.60	32.00	35.00	38.50	ACW-25
32	27.25	26.00	34.00	32.00	10.00	1.60	2.00	40.50	45.00	39.50	ACW-32
40s	31.00	30.50	37.50	40.00	14.00	1.60	2.00	44.50	50.00	43.75	ACW-40S
40	34.50	32.50	41.00	40.00	14.00	1.60	2.00	47.50	52.00	45.50	ACW-40
50s	41.00	37.70	47.00	50.00	14.00	2.00	2.50	56.50	61.50	49.00	ACW-50S
50	44.50	43.00	53.50	50.00	14.00	2.00	2.50	61.00	65.00	49.00	ACW-50
63s	51.50	48.50	59.00	63.00	15.00	2.50	2.50	67.50	72.00	54.75	ACW-63S
63	56.75	54.50	65.00	63.00	15.00	2.50	2.50	75.00	80.00	53.50	ACW-63
75s	64.00	62.75	72.00	75.00	15.00	2.50	2.50	85.00	90.00	58.25	ACW-75S
75	69.00	68.50	78.00	75.00	15.00	2.50	2.50	90.00	95.00	59.75	ACW-75
90	80.00	75.00	90.00	90.00	16.00	3.15	3.15	100.00	110.00	71.75	ACW-90



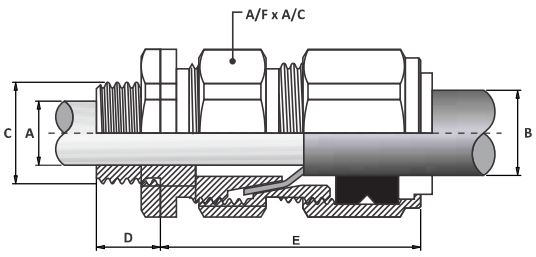
All dimensions are in mm
Standard tolerance applies

CW (3Part) Industrial Brass Cable Gland Kit

For Armoured Cable

Technical Data	
Design Specification	BS 6121-1-1989, IEC 62444-2010
Application	CW type brass indoor/outdoor cable gland for use with all types of SWA cable providing mechanical cable retention and electrical continuity via armour wire termination as well as environmental seal on cable outer sheath
Gland Material	Brass / Aluminium
Armour Clamping	Three part gland, armour clamping system **without** armour ring

Cable Gland Size	Max. Bedding Diameter "A"	Overall Cable Diameter "B"		Standard Thread Size "C" Metric	Thread Length "D"	Armour Range		Across Flat A/F	Across Corner A/C	Protrusion Length "E"	P/N
		Min.	Max.			Min.	Max.				
20s/16	9.00	6.60	13.50	20.00	10.00	0.90	0.90	22.00	24.25	35.00	ACW(3)-16
20s	12.50	10.50	16.00	20.00	10.00	0.90	1.25	22.00	24.25	35.00	ACW(3)-20S
20	15.00	14.00	20.00	20.00	10.00	0.90	1.25	26.00	28.75	34.25	ACW(3)-20
25s	18.50	16.50	24.00	25.00	10.00	1.25	1.60	30.00	33.00	37.50	ACW(3)-25S
25	20.50	22.00	27.00	25.00	10.00	1.25	1.60	32.00	35.00	38.50	ACW(3)-25
32	27.25	26.00	34.00	32.00	10.00	1.60	2.00	40.50	45.00	39.50	ACW(3)-32
40	34.50	32.50	41.00	40.00	15.00	1.60	2.00	47.50	52.00	45.50	ACW(3)-40
50s	41.00	37.70	47.00	50.00	15.00	2.00	2.50	56.50	61.50	49.00	ACW(3)-50S
50	44.50	43.00	53.50	50.00	15.00	2.00	2.50	61.00	65.00	49.00	ACW(3)-50
63s	51.50	48.50	59.00	63.00	15.00	2.50	2.50	67.50	72.00	54.75	ACW(3)-63S
63	56.75	54.50	65.00	63.00	15.00	2.50	2.50	75.00	80.00	53.50	ACW(3)-63
75s	64.00	62.75	72.00	75.00	15.00	2.50	2.50	85.00	90.00	58.25	ACW(3)-75S
75	69.00	68.50	78.00	75.00	15.00	2.50	2.50	90.00	95.00	59.75	ACW(3)-75
90	80.00	75.00	90.00	90.00	20.00	3.15	3.15	100.00	110.00	71.75	ACW(3)-90



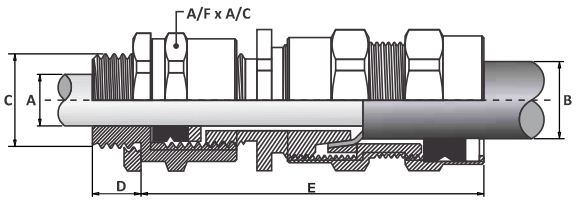
All dimensions are in mm
Standard tolerance applies

E1W Industrial Brass Cable Gland Kit

For Armoured Cable

Technical Data	
Design Specification	BS 6121-1-1989, IEC 62444-2010
Application	E1W type brass indoor/outdoor cable gland for use with all types of SWA cable providing mechanical cable retention and electrical continuity via armour wire termination as well as environmental seal on both cable inner & outer sheath
Gland Material	Brass / Aluminium
Armour Clamping	Armour clamping system with armour ring

Cable Gland Size	Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Standard Thread Size "C" Metric	Thread Length "D"	Armour Range		Across Flat A/F	Across Corner A/C	Protrusion Length "E"	P/N
	Min.	Max.	Min.	Max.			Min.	Max.				
20s/16	3.10	8.60	6.60	13.50	20.00	10.00	0.90	0.90	22.00	24.25	50.00	AE1W-16
20s	6.10	11.70	10.50	16.00	20.00	10.00	0.90	1.25	22.00	24.25	50.00	AE1W-20S
20	6.50	13.90	13.80	20.00	20.00	10.00	0.90	1.25	26.00	28.75	50.00	AE1W-20
25s	11.30	19.90	16.50	24.00	25.00	10.00	1.25	1.60	30.00	33.00	57.50	AE1W-25S
25	11.30	19.90	22.00	27.00	25.00	10.00	1.25	1.60	34.00	38.00	58.50	AE1W-25
32	17.00	26.20	26.00	34.00	32.00	10.00	1.60	2.00	40.50	45.00	61.00	AE1W-32
40s	23.60	32.10	30.50	38.50	40.00	15.00	1.60	2.00	44.50	50.00	61.00	AE1W-40S
40	23.60	32.10	32.50	41.00	40.00	15.00	1.60	2.00	47.50	52.00	64.20	AE1W-40
50s	31.50	38.20	37.70	47.00	50.00	15.00	2.00	2.50	56.50	61.50	66.00	AE1W-50S
50	35.80	44.00	43.00	53.50	50.00	15.00	2.00	2.50	61.00	65.00	67.50	AE1W-50
63s	41.70	50.00	48.50	59.00	63.00	15.00	2.50	2.50	67.50	72.00	70.00	AE1W-63S
63	47.50	56.00	54.50	65.00	63.00	15.00	2.50	2.50	75.00	80.00	73.20	AE1W-63
75s	55.00	62.00	62.75	72.00	75.00	15.00	2.50	2.50	85.00	90.00	73.70	AE1W-75S
75	62.00	68.00	68.50	78.00	75.00	15.00	2.50	2.50	90.00	95.00	80.70	AE1W-75
90	67.00	79.00	75.00	86.00	90.00	20.00	3.15	3.15	100.00	110.00	100.50	AE1W-90



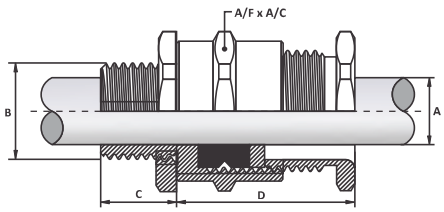
All dimensions are in mm
Standard tolerance applies

A2 Industrial Brass Cable Gland Kit

For Unarmoured Cable

Technical Data	
Design Specification	BS 6121-1-1989, IEC 62444-2010
Application	A2 type brass indoor/outdoor cable gland for use with all types of unarmoured cables provides seal on outer sheath
Gland Material	Brass / Aluminium

Cable Gland Size	Overall Cable Diameter "A"		Standard Thread Size "B" Metric	Thread Length "C"	Across Flat A/F	Across Corner A/C	Protrusion Length "D"	P/N
	Min.	Max.						
20s/16	5.50	8.50	20.00	10.00	22.00	24.25	22.00	AA2-16
20s	8.50	11.50	20.00	10.00	22.00	24.25	24.00	AA2-20S
20	11.50	14.00	20.00	10.00	24.00	26.00	24.00	AA2-20
25s	13.50	17.50	25.00	10.00	27.00	30.00	25.00	AA2-25S
25	16.00	20.00	25.00	13.00	30.00	33.00	26.00	AA2-25
32s	19.00	23.00	32.00	13.00	36.00	40.00	28.00	AA2-32S
32	22.00	26.00	32.00	13.00	36.00	40.00	28.00	AA2-32
40s	24.00	29.00	40.00	14.00	44.00	49.00	31.00	AA2-40S
40	28.00	33.00	40.00	15.00	46.00	50.00	31.00	AA2-40
50s	35.00	40.00	50.00	15.00	55.00	61.00	33.00	AA2-50S
50	39.00	44.00	50.00	15.00	58.00	64.00	33.00	AA2-50
63s	45.00	50.00	63.00	15.00	67.00	74.00	35.00	AA2-63S
63	50.00	55.00	63.00	15.00	69.00	76.00	35.00	AA2-63
75s	56.00	62.00	75.00	15.00	78.00	87.00	35.00	AA2-75S
75	59.00	65.00	75.00	15.00	81.00	90.00	35.00	AA2-75
90s	69.00	75.00	90.00	20.00	100.00	112.00	50.00	AA2-90S
90	72.00	78.00	90.00	20.00	100.00	112.00	50.00	AA2-90
100	83.00	89.00	100.00	20.00	112.00	125.00	50.00	AA2-100



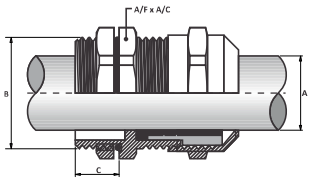
All dimensions are in mm
Standard tolerance applies

PG/Metric Industrial Brass Cable Gland Kit

IP68 Gland

Technical Data	
Design Specification	BS 6121-1-1989, IEC 62444-2010
Application	PG/Metric Glands with IP68 protection, provides maximum strain relief through clamping range
Gland Material	Nickel Plated Brass

Cable Gland Size	Overall Cable Diameter "A"		Standard Thread Size "B"	Thread Length "C"	Across Flat A/F	Across Corner A/C	P/N
	Min.	Max.					
PG-7	3.00	6.00	PG-7	5.00	14.00	15.55	APG-7
PG-9	4.00	8.00	PG-9	6.00	17.00	19.00	APG-9
PG-11	5.00	10.00	PG-11	6.00	20.00	22.00	APG-11
PG-13.5	6.00	12.00	PG-13.5	6.00	22.00	24.00	APG-13.5
PG-16	10.00	14.00	PG-16	6.50	24.00	26.60	APG-16
PG-19	12.00	18.00	PG-19	7.00	27.00	29.20	APG-19
PG-25	13.00	22.00	PG-25	8.50	30.00	33.00	APG-25
PG-29	18.00	25.00	PG-29	8.00	40.00	44.00	APG-29
PG-36	22.00	32.00	PG-36	9.00	50.00	55.50	APG-36
PG-42	30.00	38.00	PG-42	10.00	55.00	60.00	APG-42
PG-48	34.00	44.00	PG-48	10.00	65.00	70.00	APG-48
12	3.00	6.00	M12	5.00	14.00	15.55	AMG-12
16	4.00	8.00	M16	5.00	17.00	19.00	AMG-16
20	8.00	13.00	M20	6.00	22.00	24.00	AMG-20
25	11.00	17.00	M25	7.00	27.00	29.00	AMG-25
32	15.00	21.00	M32	8.00	24.00	38.00	AMG-32
40	19.00	28.00	M40	8.00	34.00	47.00	AMG-40
50	26.00	35.00	M50	9.00	45.00	60.00	AMG-50
63	35.00	42.00	M63	10.00	55.00	70.00	AMG-63
75	42.00	52.00	M75	14.00	65.00	80.00	AMG-75



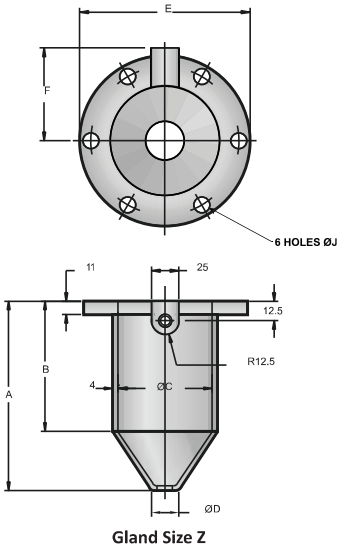
All dimensions are in mm
Standard tolerance applies

Brass Wiping Cable Gland for MV Termination

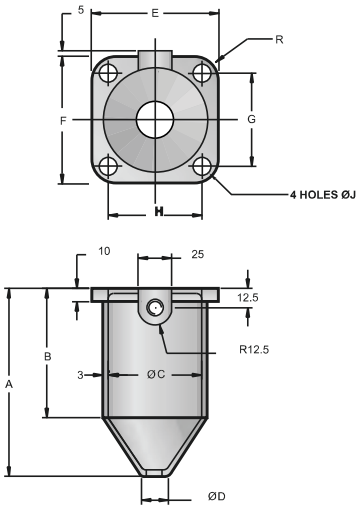
For use with SWA/PVC/XLPE/EPR Cables

Technical Data	
Design Specification	BS 2652
Application	For use with MV cables
Gland Material	Brass

Gland Size	X	Y	106	Z
P/N	AWX	AWY	A-106D	AWZ
Dia over metal sheath of cable (mm)	12 to 51	25 to 78	25 to 90	25 to 94
A	137.0	155.0	150.0	195.0
B	90.0	95.0	95.0	140.0
ΦC	60.0	89.0	106.0	108.0
ΦD	19.0	25.0	30.0	32.0
E	90.0	112.0	137.0	190.0
F	90.0	123.0	137.0	100.0
G	66.0	95.0	104.0	-
H	66.0	86.0	104.0	-
ΦJ	12.0	14.0	14.0	14.0
R	12.0	14.0	12.5	12.5



Gland Size Z

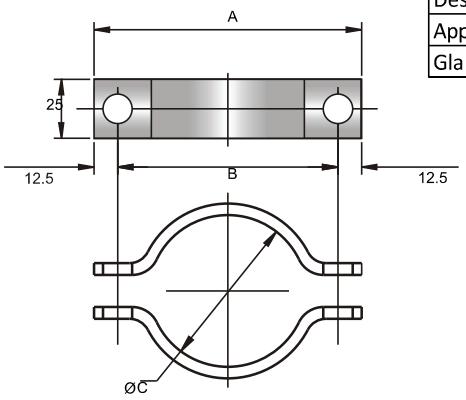


Gland Size X, Y & 106

All dimensions are in mm
Standard tolerance applies

Clamp for Brass Wiping Cable Gland

C Clamps in Two Halves for Fitting of Brass Wiping Gland

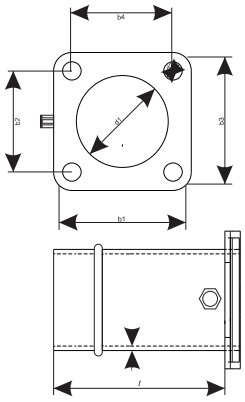


Technical Data	
Design Specification	BS 3974
Application	For installation support of wiping gland
Gland Material	Mild Steel

Clamps for Gland Size	A	B	C
X	143.0	118.0	73.0
Y	171.0	146.0	103.0
106D	190.0	165.0	120.0
Z	209.0	185.0	123.0

Top Hat Cable Gland for MV Termination

For Use with SWA/PVC/XLPE/EPR Cables



Technical Data	
Design Specification	BS 2562
Application	For use with MV cables
Gland Material	Aluminium / Steel

Gland Size	X	Y	106
P/N	ATH-X	ATH-Y	ATH-106
b1	90.0	115.0	137.0
b2	66.0	86.0	104.0
b3	90.0	125.0	137.0
b4	66.0	95.0	104.0
d1	68.0	97.0	106.0
d2	11.0	15.0	15.0
l	140.0	150.0	150.0
t	1.0	1.5	1.5

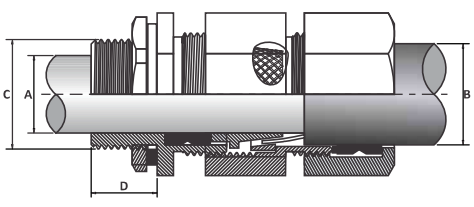
All dimensions are in mm
Standard tolerance applies

Double Compression Brass Nickel Plated Cable Gland

For Armoured Cables

Technical Data	
Design Specification	BS 6121-1-1989, IEC 62444-2010
Application	Double compression nickel plated brass gland for indoor/outdoor use with all type of armoured cable providing mechanical cable retention and electrical continuity via armour wire termination as well as environmental seal on both inner & outer sheath
Gland Material	Nickel Plated Brass

Cable Gland Size		"A" Diameter	Overall Cable Diameter "B"		Standard Thread Size "C"		Thread Length "D"	P/N
mm	Inches		Min.	Max.	Metric	ET		
10	3/8"	7.00	6.00	9.00	M10	5/8"	15.00	ADCG-10
12	1/2"	11.00	6.00	12.00	M12	5/8"	15.00	ADCG-12
16	5/8"	14.00	12.00	16.50	M16	3/4"	15.00	ADCG-16
19	3/4"	14.00	16.50	18.50	M19	3/4"	15.00	ADCG-19
22	7/8"	14.00	18.50	20.00	M22	3/4"	15.00	ADCG-22
25	1"	19.00	20.00	23.00	M25	1"	15.00	ADCG-25
28	1.1/8"	22.50	23.00	26.00	M28	1.1/8"	15.00	ADCG-28
32	1.1/4"	25.50	26.00	30.00	M32	1.1/4"	15.00	ADCG-32
35	1.3/8"	27.50	30.00	33.00	M35	1.3/8"	15.00	ADCG-35
38	1.1/2"	31.00	33.00	37.00	M38	1.1/2"	15.00	ADCG-38
45	1.3/4"	42.00	37.00	41.00	M45	1.3/4"	15.00	ADCG-45
50	2"	42.00	41.00	46.00	M50	2"	15.00	ADCG-50
57	2.1/4"	50.00	46.00	52.00	M57	2.1/4"	15.00	ADCG-57
63	2.1/2"	54.50	52.00	54.00	M63	2.1/2"	20.00	ADCG-63
70	2.3/4"	62.00	54.00	61.00	M70	2.3/4"	20.00	ADCG-70
75	3"	65.00	61.00	72.00	M75	3"	20.00	ADCG-75
82	3.1/4"	74.50	72.00	78.00	M82	3.1/4"	20.00	ADCG-82
88	3.1/2"	78.00	78.00	84.00	M88	3.1/2"	20.00	ADCG-88
100	4"	87.00	84.00	94.00	M100	4"	20.00	ADCG-100



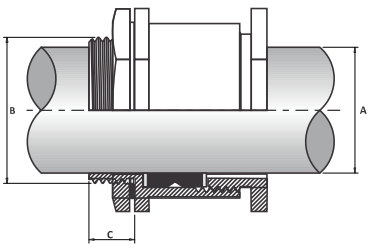
All dimensions are in mm
Standard tolerance applies

Single Compression Brass Nickel Plated Cable Gland

For Unarmoured Cables

Technical Data	
Design Specification	BS 6121-1-1989, IEC 62444-2010
Application	Single compression nickel plated brass gland for indoor/outdoor use with all type of unarmoured cable providing environmental seal on outer sheath
Gland Material	Nickel Plated Brass

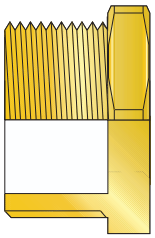
Cable Gland Size		Overall Cable Diameter "A"	Standard Thread Size "B"		Thread Length "C"	P/N
mm	Inches		Metric	ET		
10	3/8"	12.50	M10	5/8"	7.00	ASCG-10
12	1/2"	15.50	M12	5/8"	7.00	ASCG-12
16	5/8"	16.00	M16	3/4"	7.00	ASCG-16
19	3/4"	18.00	M19	3/4"	7.00	ASCG-19
22	7/8"	20.50	M22	3/4"	7.00	ASCG-22
25	1"	23.50	M25	1"	8.00	ASCG-25
28	1.1/8"	27.50	M28	1.1/8"	8.50	ASCG-28
32	1.1/4"	31.50	M32	1.1/4"	11.00	ASCG-32
35	1.3/8"	35.50	M35	1.3/8"	11.00	ASCG-35
38	1.1/2"	38.00	M38	1.1/2"	11.00	ASCG-38
45	1.3/4"	44.50	M45	1.3/4"	11.00	ASCG-45
50	2"	52.00	M50	2"	11.00	ASCG-50
57	2.1/4"	57.50	M57	2.1/4"	13.00	ASCG-57
63	2.1/2"	63.00	M63	2.1/2"	13.50	ASCG-63
70	2.3/4"	69.00	M70	2.3/4"	13.50	ASCG-70
75	3"	75.00	M75	3"	13.50	ASCG-75
82	3.1/4"	81.50	M82	3.1/4"	14.00	ASCG-82
88	3.1/2"	84.00	M88	3.1/2"	15.00	ASCG-88
100	4"	99.00	M100	4"	16.00	ASCG-100



All dimensions are in mm
Standard tolerance applies

Brass Hex Stop Plug

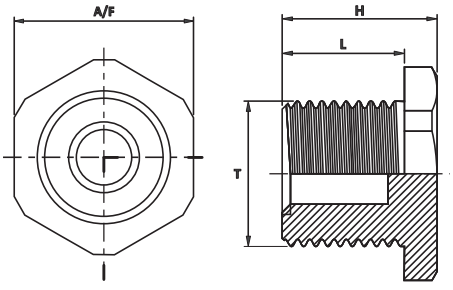
For Clousre of any Unused Entries in Enclosures, Equipment and Junction Boxes, Etc.



Technical Data	
Application	Stop plug are designed for sealing or close any unsed entries in electrical enclosures, equipments and junction boxes,etc. Stop plug are always used with ring to seal properly. Stop plug are also used to maintain integrity of enclosure and IP rating of equipment
Stop Plug Material	Brass

METRIC HEX BRASS STOP PLUG					
Size	T	L	H	A/F	P/N
M12	M12 X 1.5	12.00	15.00	14.00	AHSP-M12
M16	M16 X 1.5	12.00	15.00	18.00	AHSP-M16
M20	M20 X 1.5	12.00	15.00	23.00	AHSP-M20
M25	M25 X 1.5	15.00	18.00	28.00	AHSP-M25
M32	M32 X 1.5	15.00	19.00	36.00	AHSP-M32
M40	M40 X 1.5	15.00	19.00	44.00	AHSP-M40
M50	M50 X 1.5	15.00	20.00	54.00	AHSP-M50
M63	M63 X 1.5	15.00	20.00	67.00	AHSP-M63
M75	M75 X 1.5	15.00	20.00	80.00	AHSP-M75
M90	M90 X 1.5	15.00	21.00	95.00	AHSP-M90
M100	M100 X 1.5	20.00	27.00	105.00	AHSP-M100

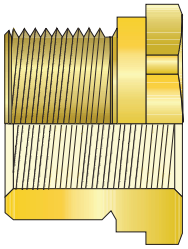
PG HEX BRASS STOP PLUG					
Size	T	L	H	A/F	P/N
PG7	PG7	12.00	15.00	16.00	AHSP-PG7
PG9	PG9	12.00	15.00	18.00	AHSP-PG9
PG11	PG11	12.00	15.00	21.00	AHSP-PG11
PG13.5	PG13.5	15.00	18.50	23.00	AHSP-PG13.5
PG16	PG16	15.00	19.00	26.00	AHSP-PG-16
PG21	PG21	15.00	19.00	32.00	AHSP-PG21
PG29	PG29	15.00	20.00	41.00	AHSP-PG29
PG36	PG36	15.00	20.00	46.00	AHSP-PG36
PG42	PG42	15.00	20.00	55.00	AHSP-PG42
PG48	PG48	15.00	21.00	65.00	AHSP-PG48



All dimensions are in mm
Standard tolerance applies

Brass Hex Reducer

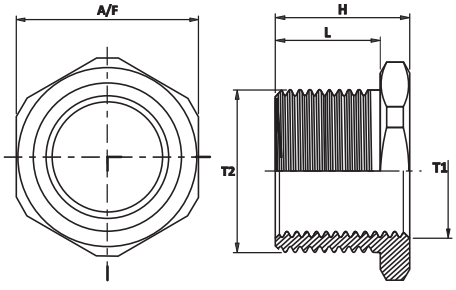
For Connection between Dis-Similar Thread



Technical Data	
Application	Reducer for industrial area application provide effectiveness connection between cable entry devices and equipment having dis-similar thread. Reducer are designed to reduce dis-similar thread
Stop Plug Material	Brass

METRIC HEX BRASS REDUCER					
T2	T1	L	H	A/F	P/N
M16	M12	6.00	9.50	19.00	AHR-M1612
M20	M12	6.50	9.50	23.50	AHR-M2012
M20	M16	6.50	9.50	23.50	AHR-M2016
M25	M16	7.00	10.00	30.00	AHR-M2516
M25	M20	7.00	10.00	30.00	AHR-M2520
M32	M20	8.00	11.00	39.00	AHR-M3220
M32	M25	8.00	11.00	39.00	AHR-M3225
M40	M20	9.00	12.50	45.00	AHR-M4020
M40	M25	9.00	12.50	45.00	AHR-M4025
M40	M32	9.00	12.50	45.00	AHR-M4032
M50	M25	10.00	14.00	55.00	AHR-M5025
M50	M32	10.00	14.00	55.00	AHR-M5032
M50	M40	10.00	14.00	55.00	AHR-M5040
M63	M40	10.00	14.00	70.00	AHR-M6340
M63	M50	10.00	14.00	70.00	AHR-M6350
M75	M50	11.50	16.50	80.00	AHR-M7550
M75	M63	115.00	16.50	80.00	AHR-M7563

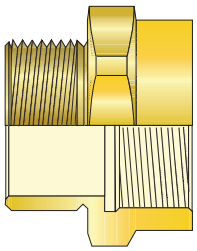
PG HEX BRASS REDUCER					
T2	T1	L	H	A/F	P/N
PG9	PG7	6.00	8.50	17.00	AHR-PG97
PG11	PG7	6.00	8.50	20.00	AHR-PG117
PG11	PG9	6.00	8.50	20.00	AHR-PG119
PG13.5	PG7	6.50	9.00	22.00	AHR-PG1357
PG13.5	PG9	6.50	9.00	22.00	AHR-PG1359
PG13.5	PG11	6.50	9.00	22.00	AHR-PG13511
PG16	PG7	6.50	9.00	24.00	AHR-PG167
PG16	PG9	6.50	9.00	24.00	AHR-PG169
PG16	PG11	6.50	9.00	24.00	AHR-PG1611
PG16	PG13.5	6.50	9.00	24.00	AHR-PG16135
PG21	PG11	7.00	10.00	30.00	AHR-PG2111
PG21	PG13.5	7.00	10.00	30.00	AHR-PG21135
PG21	PG16	7.00	10.00	30.00	AHR-PG2116
PG29	PG13.5	8.00	11.50	39.00	AHR-PG29135
PG29	PG16	8.00	11.50	39.00	AHR-PG2916
PG29	PG21	8.00	11.50	39.00	AHR-PG2921



All dimensions are in mm
Standard tolerance applies

Brass Hex Adaptor

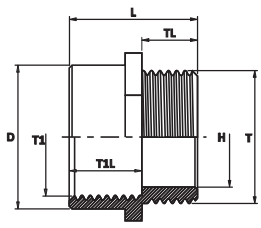
For Connection between Dis-Similar Thread



Technical Data	
Application	Reducer for industrial area application provide effectiveness connection between cable entry devices and equipment having dis-similar thread. Reducer are designed to reduce dis-similar thread
Stop Plug Material	Brass

METRIC HEX BRASS ADAPTOR							
T	T1	D	T1L	TL	L	H	P/N
M12	M16	18.00	6.00	5.00	14.00	9.00	AHA-M1216
M16	M20	22.00	7.00	5.00	15.00	12.00	AHA-M1620
M20	M25	27.50	7.50	6.00	15.50	15.00	AHA-M2025
M25	M32	35.00	8.00	7.00	19.50	20.50	AHA-M2532
M32	M40	43.00	8.50	8.00	22.00	27.00	AHA-M3240
M40	M50	54.00	9.00	8.00	22.50	35.00	AHA-M4050
M50	M63	66.00	9.50	9.00	23.50	45.00	AHA-M5063
M63	M75	67.00	9.50	9.00	23.50	57.00	AHA-M6375

PG TO METRIC HEX BRASS ADAPTOR							
T	T1	D	T1L	TL	L	H	P/N
PG9	M20	22.00	6.00	5.00	14.00	11.50	AHA-PM920
PG11	M20	22.00	7.00	5.00	15.00	14.00	AHA-PM1120
PG13.5	M20	22.00	7.50	6.00	15.50	15.50	AHA-PM13520
PG13.5	M25	27.50	8.00	7.00	19.50	15.50	AHA-PM13525
PG16	M25	27.50	8.50	8.00	22.00	17.00	AHA-PM1625
PG21	M32	35.00	9.00	8.00	22.50	22.75	AHA-PM2132
PG29	M40	43.00	9.50	9.00	23.50	31.50	AHA-PM2940
PG36	M50	54.00	9.50	9.00	23.50	41.00	AHA-PM3650
PG42	M63	66.00	9.50	9.50	24.00	47.50	AHA-PM4263
PG48	M63	66.00	9.50	9.50	24.00	53.20	AHA-PM4863



All dimensions are in mm
Standard tolerance applies

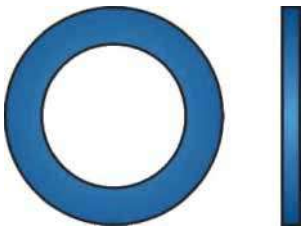
Brass Cables Gland Accessories

Extra Optional Accessories

PVC/LSF Shroud

Locknut

Earth Tag



Skid Washer

All dimensions are in mm
Standard tolerance applies

Aluminium & PVC Cable Cleats

for Armoured and Unarmoured Cables

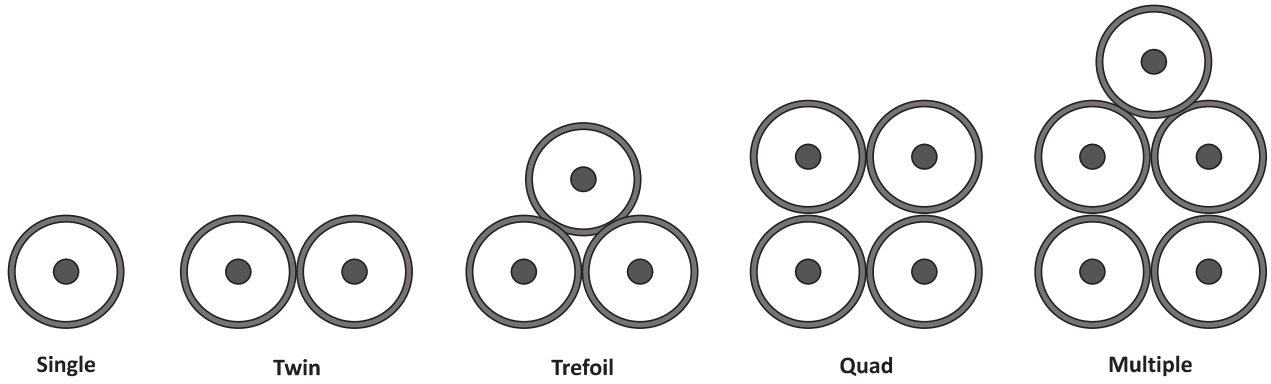
Cable Cleats

Cable cleat is a device designed to provide securing of cables when installed at intervals along the length of cables. Cable cleats can be constructed from metallic or non-metallic material. A cable cleat is provided with a means of attachment to a mounting surface but does not rely on the mounting surface for the retention of the cables.

Cable Cleat Specification:

More recent standards have been introduced BS EN 50368 in 2003 and latest IEC 61914 in 2009. All these new recent standards are performance based which provides manufacturers the opportunity of meeting its requirements by degrees of performance.

Cable formation:



Cable cleats are designed to ensure the retention and support of cables and conductors, reducing the load that the cable may be exposed to under its own weight. By ensuring the cables are fixed, retained and supported correctly this protects all of the cable terminations by reducing the mechanical load exerted on them. A-1 Electricals cable cleats are designed and tested so that in the event of short circuit fault conditions, they will contain the cables without causing damage; enabling the circuit to be restored once the fault has been rectified.

Cleat Spacing: Distance between cleat centers.

Many factors govern the maximum distance between cleat centres for safe correct installations. The correct way is to calculate the maximum distance based on the Force that each cleat can withstand, using the formula :

$$F = 0.17 \times ip^2 / S$$

Where:

F = maximum force on the cable conductor in trefoil formation for a three phase short circuit (N/m)
ip = the peak short circuit current (kA)
S = the cable diameter (mm)

Cable Cleat Spacing

Single Cables Spacings of supports for cable in accessible positions

Maximum spacing of cable fixings								
Overall diameter of cable*	Non-armoured thermosetting, thermoplastic or lead sheathed cables and non-armoured fire resisting cables				Single wire Armoured cables including fire resistant armoured cable		Mineral insulated copper sheathed or aluminium sheathed cables	
	Generally		In caravans					
	Horizontal+ 2	Vertical+ 3	Horizontal+ 4	Vertical+ 5	Horizontal+ 6	Vertical+ 7	Horizontal+ 8	Vertical+ 9
mm	mm	mm	mm	mm	mm	mm	mm	mm
Not exeeding 9	250	400	250	400	-	-	600	800
Exeeding 9 and not exeeding 15	300	400	250	400	350	450	900	1200
Exeeding 15 and not exeeding 20	350	450	250	400	400	550	1500	2000
Exeeding 20 and not exeeding 40	400	550	250	400	450	600	-	-
Exeeding 40 and not exeeding 50	600	800	-	-	900	1100	-	-
Exeeding 50 and not exeeding 60	750	1000	-	-	950	1100	-	-
Exeeding 60 and not exeeding 70	900	1200	-	-	1000	1200	-	-
Exeeding 70 and above	1000	1400	-	-	1200	1400	-	-

Notes:

- Fire resistant fixing should be used for fire resistant cables.
- For flat cables taken as the dimension of the major axis.
- The spacing's shown above apply to multi core cables.
- The spacing of fixings on single core cables in a.c. installations must take account of the magnitude of forces generated under fault conditions.
- + The spacing's stated for horizontal runs may be applied also to runs at an angle of more than 30^0 from the vertical. For runs at an angle of 30^0 or less from the vertical, the vertical spacing's are applicable.

Trefoil cleat spacing:

Trefoil cleats that are required to withstand the high forces generated by high short circuit current will often be spaced to very regular intervals - typically matching the commonly available cable ladder (i.e. 300 / 225 mm).

As a regular rule in order to create and maintain satisfactory trefoil installation spacing of 900mm is preferred.

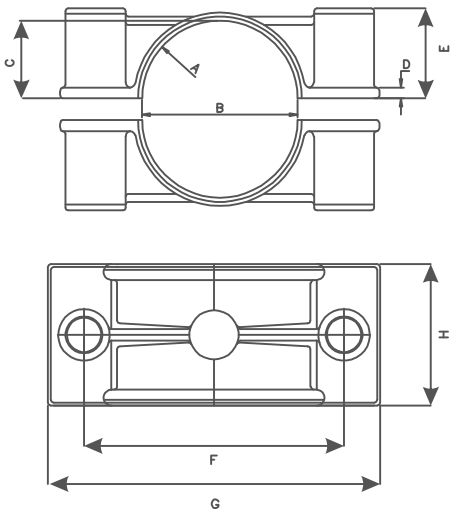
Aluminium Two Bolt Cable Cleat

Single Cable

- Manufactured from Aluminium Alloy
- Suitable for cable dia 30 to 150mm
- For LV/MV/HV cables
- Epoxy coated
- Two piece, two bolt fixing desing
- Can be double stacked on common fixings
- Rubber linear optionally available

Cable diameter		B	C	D	E	F	G	H	P/N
A min	A max								
30	40	40.2	21.0	4.0	23.6	75.5	95.0	45.0	ATC 30-40
40	50	50.2	20.2	4.0	30.0	84.5	110.0	45.0	ATC 40-50
51	57	57.1	32.0	6.5	33.5	84.3	114.5	49.0	ATC 51-57
57	64	64.4	28.8	4.0	37.8	94.0	122.0	48.0	ATC 57-64
64	70	70.5	32.2	4.0	40.0	98.0	124.0	46.0	ATC 64-70
70	76	76.5	35.2	4.0	44.8	110.7	136.0	48.0	ATC 70-76
76	83	83.5	38.2	6.0	48.0	117.7	143.0	52.0	ATC 76-83
83	89	89.5	41.0	5.0	48.8	124.2	149.2	60.0	ATC 83-89
89	95	95.5	44.8	5.0	52.8	130.5	158.2	59.0	ATC 89-95
95	101	101.5	47.8	5.0	55.3	126.1	154.0	65.0	ATC 95-101
101	108	108.0	57.0	6.0	59.0	136.5	165.0	65.0	ATC 101-108
108	114	114.1	60.0	6.0	62.0	142.0	171.0	65.0	ATC 108-114
115	125	125.5	58.0	6.0	63.5	150.0	175.0	85.0	ATC 115-125
125	135	136.1	62.8	6.0	70.2	166.0	194.0	85.0	ATC 125-135
135	150	150.5	75.0	6.0	81.0	174.0	206.0	76.0	ATC 135-150

Confirming to IEC 61914



All dimensions are in mm
Standard tolerance applies

Aluminium Single Hole Fixing Trefoil Cable Cleat

For Trefoil Cable Formation

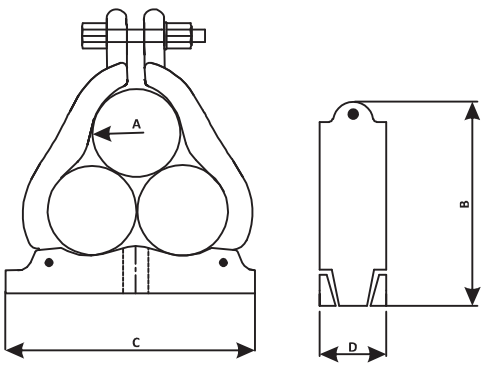
- Manufactured from Aluminium Alloy
- Suitable for cable dia 15 to 76mm
- For LV/MV cables
- Epoxy coated
- Single & two hole fixing design

Cable diameter		B	Single hole	D	P/N
A min	A max				
15.0	18.0	78.0	103.0	34.0	ATFC 15-18
18.0	22.0	87.0	115.0	34.0	ATFC 18-22
22.0	24.0	91.0	120.0	34.0	ATFC 22-24
24.0	25.0	97.0	123.0	37.0	ATFC 24-25
25.0	27.0	98.0	85.0	37.0	ATFC 25-27
27.0	28.0	100.0	84.0	37.0	ATFC 27-28
28.0	30.0	104.0	84.0	37.0	ATFC 28-30
30.0	32.0	105.0	86.0	37.0	ATFC 30-32
32.0	34.0	105.0	89.0	38.0	ATFC 32-34
34.0	35.0	112.0	97.0	38.0	ATFC 34-35
35.0	36.0	111.0	96.0	37.0	ATFC 35-36
36.0	38.0	117.0	98.0	37.0	ATFC 36-38
38.0	40.0	117.0	100.0	37.0	ATFC 38-40
40.0	41.0	122.0	109.0	37.0	ATFC 40-41
41.0	43.0	125.0	110.0	38.0	ATFC 41-43
43.0	44.0	129.0	108.0	37.0	ATFC 43-44
44.0	46.0	129.0	109.0	38.0	ATFC 44-46
46.0	48.0	133.0	117.0	38.0	ATFC 46-48
48.0	49.0	137.0	124.0	38.0	ATFC 48-49
49.0	51.0	140.0	119.0	38.0	ATFC 49-51
51.0	53.0	138.0	121.0	37.0	ATFC 51-53
53.0	54.0	145.0	129.0	38.0	ATFC 53-54
54.0	55.5	152.0	139.0	43.0	ATFC 54-55
55.5	57.0	160.0	137.0	44.0	ATFC 55-57
57.0	59.0	158.0	137.0	37.0	ATFC 57-59
59.0	60.0	165.0	147.0	44.0	ATFC 59-60
60.0	62.0	168.0	150.0	44.0	ATFC 60-62
62.0	63.5	171.0	157.0	44.0	ATFC 62-63
63.5	65.0	173.0	155.0	44.0	ATFC 63-65
65.0	66.5	174.0	155.0	44.0	ATFC 65-66
66.5	68.0	182.0	157.0	44.0	ATFC 66-68
68.0	70.0	184.0	158.0	44.0	ATFC 68-70
70.0	71.5	186.0	170.0	44.0	ATFC 70-71
71.5	73.0	187.0	170.0	44.0	ATFC 71-73
73.0	74.0	187.0	168.0	44.0	ATFC 73-74
74.5	76.0	190.0	166.0	44.0	ATFC 74-76

Confirming to IEC 61914

For two hole fixing dimension contact us for details

All dimensions are in mm
Standard tolerance applies



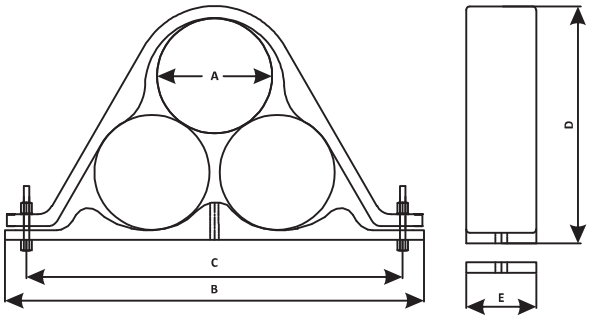
Aluminium Trefoil Cable Cleat

For Trefoil Cable Formation

- Manufactured from Aluminium Alloy
- Suitable for cable dia 15 to 155mm
- For LV/MV/HV cables
- Epoxy coated
- Rubber linear optionally available

Cable diameter		B	C	D	E	P/N
A min	A max					
15.0	30.0	108.0	80.0	45.0	30.0	ATFC(SP) 15-30
30.0	45.0	151.0	120.0	66.0	30.0	ATFC(SP) 30-45
45.0	60.0	184.0	151.0	85.0	40.0	ATFC(SP) 45-60
60.0	75.0	226.0	193.0	114.0	40.0	ATFC(SP) 60-75
75.0	90.0	267.0	235.0	142.0	40.0	ATFC(SP) 75-90
90.0	107.0	319.0	282.0	171.0	50.0	ATFC(SP) 90-107
107.0	129.0	390.0	352.0	203.0	57.0	ATFC(SP) 107-129
129.0	155.0	455.0	397.0	244.0	57.0	ATFC(SP) 129-155

Confirming to IEC 61914



All dimensions are in mm
Standard tolerance applies

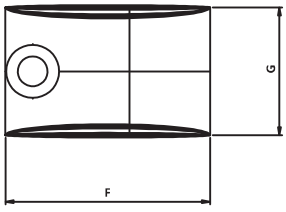
Aluminium Claw Cable Cleat

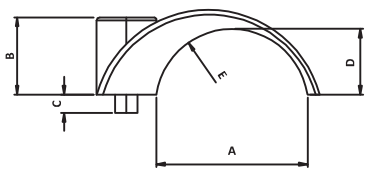
For Single Cable

- Manufactured from Aluminium Alloy
- Suitable for cable dia 10 to 51mm
- Epoxy coated
- Two piece, one bolt fixing desing
- Can be stacked to a maximum of three on one fixing
- Rubber linear optionally available

Cable diameter		B	C	D	E	F	G	P/N
A min	A max							
10.0	13.0	6.5	3.0	5.0	6.3	40.0	46.8	ACC 10-13
13.0	16.0	9.0	3.0	6.5	8.3	40.0	46.8	ACC 13-16
16.0	19.0	10.0	3.5	8.3	9.3	42.0	46.8	ACC 16-19
19.0	22.0	11.3	3.5	11.0	9.7	46.0	46.8	ACC 19-22
22.0	25.0	12.7	4.3	12.5	11.3	50.0	46.8	ACC 22-25
25.0	32.0	16.3	4.3	16.2	12.5	56.0	46.8	ACC 25-32
32.0	38.0	19.6	6.0	16.0	19.3	62.0	47.0	ACC 32-38
38.0	44.0	23.0	6.0	19.0	22.3	69.0	47.0	ACC 38-44
44.0	51.0	26.0	6.2	22.0	25.3	75.0	47.0	ACC 44-51

Confirming to IEC 61914



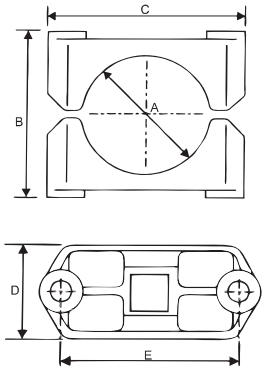


All dimensions are in mm
Standard tolerance applies

PVC/Nylon Two Bolt Cable Cleat

For Single Cable

- Manufactured from high density Nylon 66
- Suitable for cable dia 50 to 94mm
- Sunlight and weather resistant
- Two piece, two bolt fixing design
- Can be stacked on a common fixings

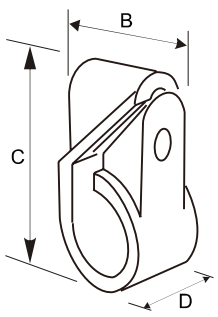


Cable diameter		B	C	D	E	P/N
A min	A max					
50.0	58.0	89.0	102.0	45.0	80.0	ATC(P) 50-58
56.0	64.0	93.0	102.0	45.0	80.0	ATC(P) 56-64
62.0	70.0	98.0	114.0	45.0	92.0	ATC(P) 62-70
68.0	76.0	104.0	114.0	50.0	92.0	ATC(P) 68-76
74.0	82.0	110.0	126.0	50.0	104.0	ATC(P) 74-82
80.0	88.0	118.0	126.0	50.0	104.0	ATC(P) 80-88
86.0	94.0	121.0	126.0	60.0	114.0	ATC(P) 86-94

PVC/Nylon Single Bolt Cable Cleat

For Single Cable

- Manufactured from high density Nylon 66
- Suitable for cable dia 10.5 to 51.1mm
- Sunlight and weather resistant
- Single piece, one bolt fixing desing
- Can be double stacked on a single fixings

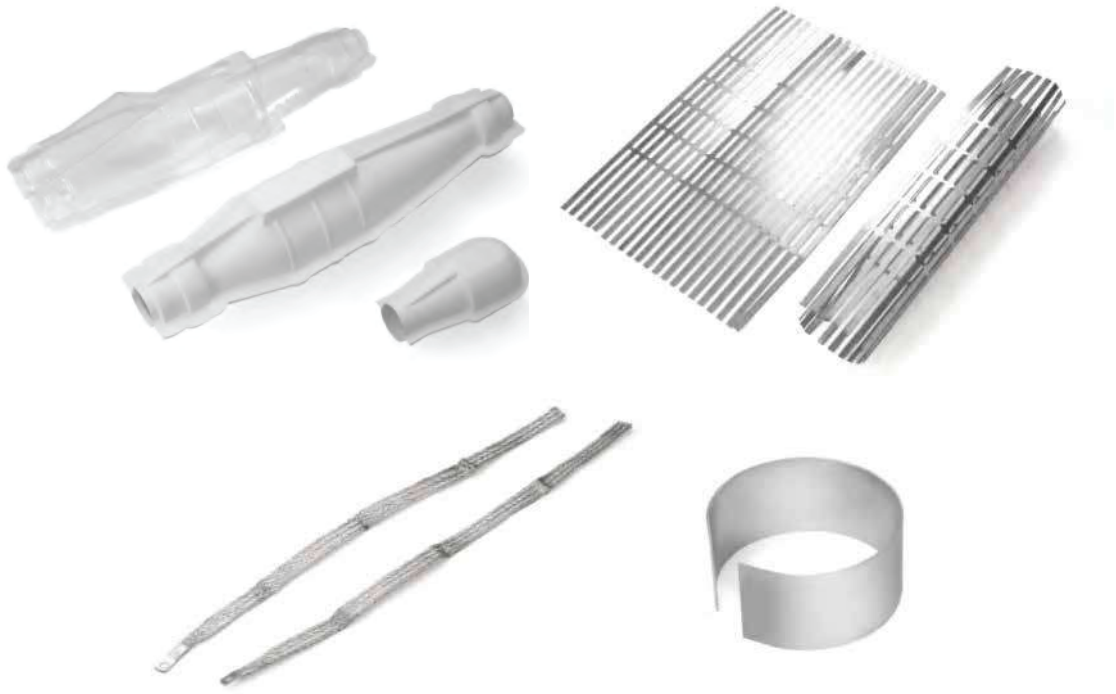


Cable diameter		B	B	C	D	P/N
A min	A max	min	max			
10.5	14.5	15.0	18.0	32.0	12.0	ACC(P) 10.5-14.5
12.2	16.7	17.0	22.0	36.0	14.0	ACC(P) 12.2-16.7
14.6	19.8	21.0	26.0	43.0	16.0	ACC(P) 14.6-19.8
17.7	24.0	25.0	31.0	51.0	18.0	ACC(P) 17.7-24.0
21.7	28.5	30.0	37.0	57.0	20.0	ACC(P) 21.7-28.5
26.2	34.2	35.0	43.0	65.0	22.0	ACC(P) 26.2-34.2
31.9	41.6	42.0	52.0	78.0	25.0	ACC(P) 31.9-41.6
39.3	51.1	50.0	62.0	91.0	26.0	ACC(P) 39.3-51.1

All dimensions are in mm
Standard tolerance applies

Accessoreis for Cable Termination & Cable Joints

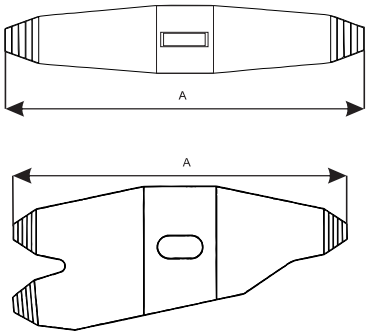
for Armoured and Unarmoured Cables



HIPS Moulds for Resin Joints

Straight/Branch & Pot End Moulds

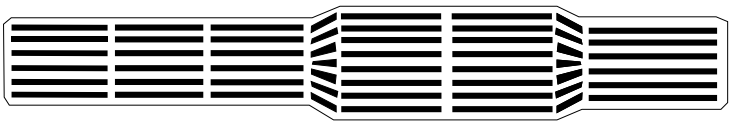
- Made from HIPS PC transparent material.
- Length “A” available according to requirement for straight joint mould and branch joint mould.
- Pot end moulds also available.



Metallic GI Perforated Mechanical Cannister

For Cable Joints

- Made from GI Sheet.
- Dimensions available according to requirements.
- Other design and options according to drawing and requirements available.

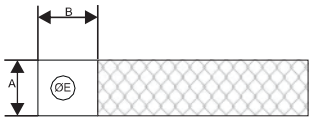


All dimensions are in mm
Standard tolerance applies

Flexible Copper Earth Braid

For Earthing

- Length according to requirement.
- Fitted with copper connector. (Braids without connector or connectors fitted on both ends also available)
- Braid with insulating tubing also available on request.

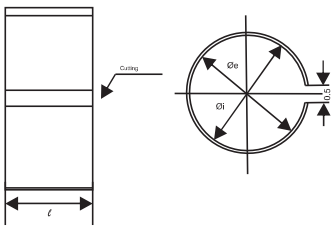


A	B	THICKNESS	ΦE	SIZE (mm^2)
19	17	2.5	8.5	16
25	25	3	8.5	25
25	25	3.5	8.5	35
30	30	5	10.5	50
32	30	6	10.5	70
37	30	6	10.5	95

Aluminum Armour Support Ring

Under Armour Support

- Other design as per requirement can be available
- Made from E-Grade Aluminium having thickness of 1.5 to 1.8mm
- Other sizes as per drawings and requirements can be supplied.



Φe	Φi	L
24	21	40
28	25	40
33	30	40
36	33	40
40	37	40
45	42	40
48	45	40
53	50	40
55	52	40
60	57	40
63	60	40
65	62	40
70	67	40
76	73	40
80	77	40
90	87	40
99	95	40
105	101	40
109	105	40

All dimensions are in mm
Standard tolerance applies

Other Products Manufactured & Supplied

For Various Application

Copper Bus Bars

Space Saddles

Split Bolt Connectors

Forged Insulator Fittings

Bronze Bolted Connectors

Constant Force Spring Roll

For dimensional drawing and other details contact us

All dimensions are in mm
Standard tolerance applies

UCT International

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