



CFU & CFU-HT

INSTALLATION NOTES.

1. Installation must be carried out by trained personnel using appropriate tools, in compliance with EN/IEC 60079-14. Proper spanners should be used for tightening. All inspections and maintenance must also be performed by qualified individuals, as per EN/IEC 60079-17 and EN/IEC 60079-14.
2. Metric threads are manufactured in line with ISO 965-1 and ISO 965-3 standards, with a tolerance of 6g for male threads and 6H for female threads, in accordance with IEC 60079-1:2014. NPT threads conform to ASME B1.20.1-2013, as per EN/IEC 60079-1. EarthLinks standard metric pitch is 1.5mm up to M75, and 2.0mm for M90 and above. Custom pitches from 0.70mm to 2.00mm are available upon request.
3. When installing a cable entry device to an enclosure, additional sealing may be required to meet IP ratings above IP54. For explosive gas areas, minimum IP54 is needed, while explosive dust zones require at least IP6X. If non-threaded entries are used, a sealing washer from EarthLinks is required to maintain IP66. Installers must ensure the IP rating is preserved at the interface.
4. These cable glands are non-serviceable and should not be repaired.
5. If disassembled for inspection, the cable gland must be reassembled as per the provided instructions. This process must only be done by a qualified technician in accordance with EN/IEC 60079-17.
6. Enclosure surfaces must be flat, smooth, and free from casting or molding irregularities. A flat, perpendicular sealing surface must be machined if necessary to ensure proper sealing. The enclosure must be robust enough to support both the gland and the cable, with entry holes precisely perpendicular.
7. When using clearance holes for installation, they must be circular and free from burrs. The hole diameter must not exceed 0.7mm above the gland's thread diameter. Locknuts should be used to secure the cable gland.
8. Earth Tags should be installed when an earth bonding connection is required. These tags must comply with Category B classification as per IEC/EN 62444.

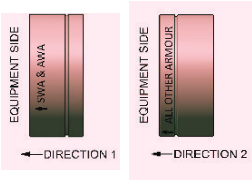
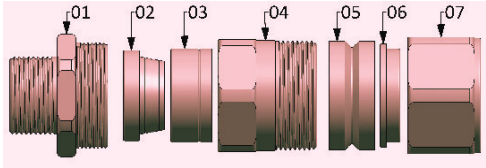
Technical Specifications.

Type	CFU & CFU-HT Industrial Cable Gland.
Size	20MM TO 90MM
Applications	Provide Mechanical Cable Retention & Electrical continuity via Armoured Wire termination In indoor area. It is Easy to Install.
Operating Temp	-60°C To +180°C.
Material	Brass (BS EN 12164/ Grade CuZn39Pb3).
Seal Material	Thermoset Elastomer.
Standard Thread	ISO Metric.
Cable Type	Unarmoured & Braided.
Sealing Technique	Inner Displacement Seal.
Sealing Area	Cable Outer Sheath.
Optional Gland Material.	Brass Nickel Plated
Optional Accessories	Adaptor, Reducer, Earth Tag, Lock Nut, Serrated Washer, Shroud.
Cable Gland Kit	1 Cable Gland, 1 Lock Nut 1 Earth Tag, 1 PVC Shroud

CFU & CFU-HT INDUSTRIAL CABLE GLAND SELECTION TABLE

CABLE GLAND SIZE	GLAND DIMENSIONS							CABLE DIMENSIONS							
	ENTRY THREAD E				Minimum	MAXIMUM	ACROSS	ACROSS	CABLE BEDDING	OVERALL CABLE		ARMOUR RANGE			
					Thread	LENGTH	FLATS	CORNES		DIAMETER					
					Length				DIAMETER			Direction 1		Direction 2	
	STANDARD		OPTION	L1		L	AF	AC	B	A					
	METRIC	NPT*	NPT*	METRIC	NPT	MAX	MAX	MAX	MIN	MIN	MAX	MIN	MAX	MIN	MAX
20S/16	M20	1/2*	3/4*	15	20	52.25	24	26.4	8.7	6.1	11.6	0.8	1.25	0.1	1
20S	M20	1/2*	3/4*	15	20	52.5	24	26.4	11.7	9.5	16	0.8	1.25	0.1	1
20	M20	1/2*	3/4*	15	20	52.5	30.5	33.5	14	12.5	21.2	0.8	1.25	0.1	1
25S	M25	3/4*	1*	15	20.5	64	41.25	41.25	16	14.1	22	1.25	1.6	0.1	1
25	M25	3/4*	1*	15	20.5	64	41.25	41.25	20	18.5	26.3	1.25	1.6	0.1	1
32	M32	1*	1-1/4*	15	25.5	65.5	50.6	50.6	26.4	24	34	1.6	2	0.1	1
40	M40	1-1/4*	1-1/2*	15	26	65.5	60.5	60.5	32.3	28	40.6	1.6	2	0.1	1
50S	M50	1-1/2*	2*	15	26.5	72.5	66	66	38.5	35.5	46.7	2	2.5	0.1	1
50	M50	2*	2-1/2*	15	27	73	77	77	44	40.8	53.2	2	2.5	0.1	1
63S	M63	2*	2-1/2*	15	27	73.5	82.5	82.5	50	45.7	59.4	2	2.5	0.1	1
63	M63	2-1/2*	3*	15	40	73.5	88	88	56.2	54.8	66.1	2	2.5	0.1	1
75S	M75	2-1/2*	3*	15	40	82.5	99	99	62	59.5	72.2	2	2.5	0.1	1
75	M75	3*	3-1/2*	15	42	88.5	100	110	68	67	79.5	2.5	3.15	0.1	1
90	M90	3-1/2*	4*	20	43	95.5	114	125.4	80	75	90.5	2.75	3.5	0.1	1

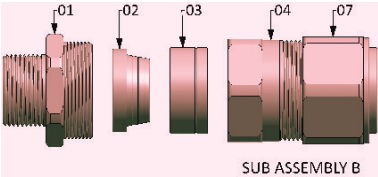
All Dimensions are in millimetres(Except*where dimensions are in inches)



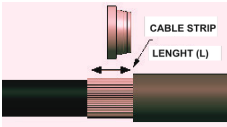
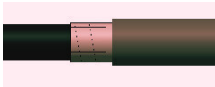
Universal Armour Clamping Ring
Direction 1: For SWA & AWA
Direction 2: For all other Armour

READ ALL INSTRUCTION CAREFULLY BEFORE INSTALLATION

Step 1 : If required fit the Shroud over the cable outer sheath.
Separate components 01, 02, 03 from Sub-Assembly 'B' parts 04 to 07. Now pass the Sub-Assembly B (All 4 components 04,05,06,07 assembled as it is) & Universal Armour Clamping Ring over the cable. Use appropriate Direction mark (Mentioned on Universal Armour Clamping Ring) towards the equipment side as per required Cable Wire Armours.



Step 2 : Now remove the cable outer sheath & prepare armour/braid to suit the geometry of the equipment. Remove a further outer sheath to expose the armour as per below table:

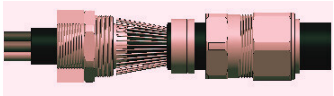
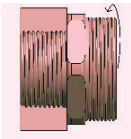


Cable Gland Size	20S/16, 20S, 20	25S,25,32,40	50S, 50, 63S, 63	75S, 75, 90
Cable Strip Length	11mm	15mm	20mm	23mm

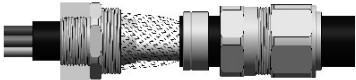


If Applicable

Step 3 : Fit the Entry Component- 01 into the equipment by tightning with a spanner.



SINGLE WIRE ARMOUR



BRAIDED ARMOUR

Step 5 : Gently push the cable forward to keep the braid or armour in contact with the Detachable Armour Cone-02, tighten the Middle Body-04 first by hand and then with a spanner until the Middle Body-04 is fully tightened onto the Entry Component-01 as per below mentioned table tightnening torque.



Tightening Torque Value in Nm: Metric / NPT (For CFU & CFU-HT)														
Gland Size	20S/16	20S	20	25S	25	32	40	50S	50	63S	63	75S	75	90
Torque	40	40	40	40	40	40	70	85	90	105	105	180	210	405

Step 6 : Tighten the outer seal Compression Cap-07 with hand untill the seal is formed around the cable. Now hold Middle Body-04 with one Spanner and tighten Compression Cap-07 one & half further turn with second Spanner.

