

**COSMOS**<sup>®</sup>  
CABLE GLANDS  
RELATION REMAINS FOREVER



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RELATION REMAINS FOREVER



**COMET**  
INDUSTRIES

Manufacturers of Cable Glands & Brass Parts

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**COMET**  
INDUSTRIES



## Preface

**COSMET INDUSTRIES** - the varied gland manufacturing company has been re established since may - 1995. The company has always come out with solution to all Cable Fixations Problems of Electrical Engineering Needs.

Backed by vast experience of 40 years in this field & the team of the **COSMET INDUSTRIES** with their deep endeavor has been enlightening the "COSMOS" cable glands quality to these heights, for providing performance, reliability & safety in the wide range of glands which can meet all installations requirements.

Our company access in mumbai is easy to reach just one kilometer from Western Express Highway & Nine Kilometers from Airport.

The main manufacturing activities are of our Single Compression, Double Compression, Weatherproof & Flameproof series glands, apart from the tailor made items which are manufactured on customer's drawings.

Stringent quality systems are adhered as per International & National Standards such as BS : 6121, IS : 2148 & IS : 12943 etc.

Manufacturing procedures are covered under one roof of factory area of 3000 sq. ft.having Advanced equipments for Production, Inspection, Experiments & Technical Force.

Availability of product is made easy through a strong sales network outlets. Around of 80 dealers who are ready to give after sale services throughout this country.

The High Quality & Excellent Service satisfaction has trusted our customers to patronize our product. With esteemed organizations like Reliance group of companies, M/s Larsen & Toubro Ltd, M/s Siemens India Ltd. & many more having standardized our product.

Herein we would add that prestigious Electrical Consultants- to name a few : M/s. National Thermal Power Corporation, M/s. Engineers India Ltd., M/s. Power Grid Corporation of India Ltd. & M/s. Nuclear Power Corporation of India Ltd. has also taken a lead to bank on our quality products.

Our future plans are eyed on various allied cable accessories for business diversification & for further expansion in national & overseas trade for improvement in healthy quality competition.

Development as a management constant is the philosophy that has allowed "COSMOS" to become leaders in the national cable glands market.

Customers continuous suggestions are our building force to success which we accept, implement & adhere.

Loving Co-operation of our patrons is "COSMOS" fixing force for cables in Engineering line.

### GUIDE FOR SELECTION OF CABLE GLANDS ON THE BASIS OF CABLE OVERALL DIAMETER

SINGLE COMPRESSION TYPE CABLE GLANDS FOR ARMoured CABLE							
HEAVY DUTY SCG SERIES AS PER IS 12943				MEDIUM DUTY TYPE			
Cable Overall Diameter (mm) Suitable For		Suitable Gland Type	Old SIBG Code	Nipple Thread In Metric	Cable Overall Diameter (mm) Suitable For		Suitable Gland Type and Thread BSC
From	To				From	To	
11.0	16.0	SCG 2	(1616)	16 x 1.5	8.0	15.0	1/2"
11.0	16.0	SCG 3	(1619)	20 x 1.5	8.0	15.0	5/8"
16.0	20.0	SCG 4	(2119)	20 x 1.5	15.0	17.0	3/4"
16.0	21.0	SCG 5	(2125)	25 x 1.5	17.0	19.0	7/8"
21.0	24.0	SCG 6	(2925)	25 x 1.5	19.0	22.0	1"
24.0	29.0	SCG 7	(2932)	32 x 1.5	22.0	26.0	1 1/8"
29.0	33.0	SCG 8	(2938)	40 x 1.5	26.0	30.5	1 1/4"
33.0	37.0	SCG 9	(3638)	40 x 1.5	30.5	34.0	1 3/8"
37.0	42.0	SCG 10	(4251)	50 x 1.5	34.0	38.0	1 1/2"
42.0	46.0	SCG 11	(5451)	50 x 1.5	38.0	43.0	1 3/4"
46.0	51.0	SCG 12	(5463)	63 x 1.5	43.0	49.0	2"
51.0	61.0	SCG 13	(6063)	63 x 1.5	49.0	54.0	2 1/4"
61.0	66.0	SCG 14	(6675)	75 x 1.5	54.0	61.0	2 1/2"
66.0	72.0	SCG 15	-	75 x 1.5	60.0	67.0	2 3/4"
72.0	79.0	SCG 16	(7882)	82 x 1.5	66.0	73.0	3"
79.0	84.0	SCG 17	-	90 x 1.5	73.0	79.0	3 1/4"
					79.0	84.0	3 1/2"

#### FOR ARMoured CABLES

FOR DOUBLE COMPRESSION WEATHER PROOF & FLAME PROOF TYPE CABLE GLAND.				
Cable Overall Diameter (mm) Suitable For		Weather Proof As Per BS 6121	Flame Proof As Per IS 2148	Nipple Thread BSC
From	To			
6.0	13.0	CIW 01SS	CIF 01SS	3/4"
13.0	16.5	CIW 01S	CIF 01S	3/4"
16.5	18.5	CIW 01	CIF 01	3/4"
16.5	18.5	CIW 01A	CIF 01A	1"
18.5	20.0	CIW 02	CIF 02	1"
18.5	20.0	CIW 02A	CIF 02A	3/4"
20.0	23.0	CIW 03	CIF 03	1"
23.0	26.0	CIW 04	CIF 04	1"
23.0	26.0	CIW 04A	CIF 04A	1 1/4"
26.0	30.0	CIW 05	CIF 05	1 1/4"
26.0	30.0	CIW 05A	CIF 05A	1 1/2"
30.0	33.0	CIW 06	CIF 06	1 1/2"
30.0	33.0	CIW 06A	CIF 06A	1 1/4"
33.0	37.0	CIW 07	CIF 07	1 1/2"
37.0	41.0	CIW 08	CIF 08	2"
41.0	46.0	CIW 09	CIF 09	2"
46.0	52.0	CIW 010	CIF 010	2"
46.0	52.0	CIW 010A	CIF 010A	2 1/2"
52.0	54.0	CIW 011S	CIF 011S	2 1/2"
54.0	61.0	CIW 011	CIF 011	2 1/2"
61.0	66.0	CIW 012	CIF 012	3"
66.0	72.0	CIW 013A	CIF 013A	3"
72.0	78.0	CIW 013	CIF 013	3 1/4"
78.0	84.0	CIW 014	CIF 014	3 1/2"
84.0	94.0	CIW 015	CIF 015	4"
94.0	104.0	CIW 016	CIF 016	4 1/2"

#### FOR UNARMoured CABLES

FOR DOUBLE COMPRESSION WEATHER PROOF & FLAME PROOF TYPE CABLE GLAND.				
Cable Overall Diameter (mm) Suitable For		Weather Proof Type As Per BS 6121	Flame Proof Type As Per IS 2148	Nipple Thread BSC
From	To			
5.0	11.0	CIW 01SS	CIF 01SS	3/4"
11.0	14.0	CIW 01S	CIF 01S	3/4"
14.0	18.0	CIW 01A	CIF 01A	1"
18.0	20.0	CIW 02	CIF 02	1"
20.0	22.0	CIW 03A	CIF 03A	28 MM
22.0	26.0	CIW 04A	CIF 04A	1 1/4"
26.0	30.0	CIW 05A	CIF 05A	1 1/2"
30.0	33.0	CIW 06	CIF 06	1 1/2"
33.0	36.0	CIW 07A	CIF 07A	42 MM
36.0	41.0	CIW 08	CIF 08	2"
41.0	44.0	CIW 09	CIF 09	2"
44.0	52.0	CIW 010A	CIF 010A	2 1/2"
52.0	56.0	CIW 011	CIF 011	70 MM
56.0	66.0	CIW 012	CIF 012	3"
66.0	74.0	CIW 013	CIF 013	3 1/4"
74.0	80.0	CIW 014	CIF 014	3 1/2"
80.0	90.0	CIW 015	CIF 015	4"
90.0	100.0	CIW 016	CIF 016	4 1/2"

**1100 VOLTAS MULTICORE CONTROL CABLE WITH SOLID COPPER CONDUCTOR OF SIZE 1.5 SQ. MM XLPE INSULATED, ARMoured CABLE CONFORMING TO IS 7098 PART - 1 / 1988**

No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE							DOUBLE COMPRESSION TYPE			
		Medium Duty	Heavy Duty (SCG) as Per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Flange Type	Weather Proof Type (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLP		
2 x 1.5	12.5	CI 5/8"	SCG 3	(1619)	13 mm	20 mm	CI 5	CIW 01SS	CIF 01SS	3/4"		
3 x 1.5	13.0	CI 5/8"	SCG 3	(1619)	13 mm	20 mm	CI 5	CIW 01SS	CIF 01SS	3/4"		
4 x 1.5	13.5	CI 3/4"	SCG 3	(1619)	15 mm	20 mm	CI 5	CIW 01S	CIF 01S	3/4"		
5 x 1.5	14.5	CI 3/4"	SCG 3	(1619)	15 mm	20 mm	CI 5	CIW 01S	CIF 01S	3/4"		
6 x 1.5	15.5	CI 3/4"	SCG 3	(1619)	15 mm	20 mm	CI 5	CIW 01S	CIF 01S	3/4"		
7 x 1.5	16.0	CI 3/4"	SCG 4	(2119)	16 mm	20 mm	CI 5	CIW 01S	CIF 01S	3/4"		
10 x 1.5	18.5	CI 7/8"	SCG 5	(2125)	20 mm	25 mm	CI 4	CIW 02	CIF 02	1"		
12 x 1.5	19.0	CI 1"	SCG 5	(2125)	20 mm	25 mm	CI 3	CIW 02	CIF 02	1"		
14 x 1.5	20.0	CI 1"	SCG 5	(2125)	20 mm	25 mm	CI 3	CIW 02	CIF 02	1"		
16 x 1.5	20.0	CI 1"	SCG 5	(2125)	20 mm	25 mm	CI 3	CIW 03	CIF 03	1"		
19 x 1.5	20.5	CI 1"	SCG 5	(2125)	20 mm	25 mm	CI 3	CIW 03	CIF 03	1"		
24 x 1.5	23.0	CI 1 1/8"	SCG 6	(2925)	23 mm	25 mm	CI 2	CIW 04	CIF 04	1"		
27 x 1.5	23.5	CI 1 1/8"	SCG 6	(2925)	23 mm	25 mm	CI 2	CIW 04	CIF 04	1"		
30 x 1.5	24.0	CI 1 1/8"	SCG 6	(2925)	23 mm	25 mm	CI 1	CIW 04	CIF 04	1"		
37 x 1.5	26.0	CI 1 1/8"	SCG 7	(2932)	27 mm	32 mm	CI 1	CIW 05	CIF 05	1 1/4"		
44 x 1.5	28.5	CI 1 1/4"	SCG 7	(2932)	29 mm	32 mm	CI 1	CIW 05	CIF 05	1 1/4"		
52 x 1.5	30.5	CI 1 1/4"	SCG 8	(2938)	32 mm	40 mm	CI 11	CIW 06	CIF 06	1 1/2"		
61 x 1.5	32.0	CI 1 3/8"	SCG 8	(2938)	32 mm	40 mm	CI 11	CIW 06	CIF 06	1 1/2"		

**LIST OF CERTIFICATES**

- "COSMOS" SINGLE COMPRESSION Cable Glands SCG- (SIBG) Series are as per the specification of IS: 12943 with IP 60 as per IS: 13947 Type Test Report No: - 95.
- "COSMOS" DOUBLE COMPRESSION WEATHER PROOF Cable Glands as per BS 6121 - 1989 and with IP 67 as Per IS: 13947. Type Test Report No: - 301
- "COSMOS" DOUBLE COMPRESSION FLAMEPROOF Cable Glands as per IS: 2148 – 2004 and with IP 66 as per IS: 13947, suitable for Gas Groups I, IIA, IIB. Certified by CIMFR No: - CIMFR/TC/SR/H253.
- "COSMOS" DOUBLE COMPRESSION FLAMEPROOF Cable Glands as per IS: 2148 – 2004 and with IP 66 as per IS: 13947, suitable for Gas Groups I, IIA, IIB. Certified by CIMFR No: - CIMFR/TC/S/H1179. Supplementary Report for 1/2" Size.
- "COSMOS" DOUBLE COMPRESSION FLAMEPROOF Cable Glands as per IS: 2148 – 2004 and with IP 66 as per IS: 13947, suitable for Gas Group IIC. Certified by CIMFR No: - CIMFR/TC/P/H268.
- "COSMOS" FLAMEPROOF STOPPING PLUGS as per IS: 2148 – 2004, suitable for Gas Groups I, IIA, IIB. Certified by CIMFR No: - CIMFR/TC/SR/H220.
- "COSMOS" FLAMEPROOF STOPPING PLUGS as per IS: 2148 – 2004, suitable for Gas Group IIC. Certified by CIMFR No: - CIMFR/TC/P/H373.
- "COSMOS" FLAMEPROOF REDUCERS as per IS: 2148 – 2004, suitable for Gas Groups I, IIA, IIB. Certified by CIMFR No: - CIMFR/TC/SR/H355.
- "COSMOS" FLAMEPROOF REDUCERS as per IS: 2148 – 2004, suitable for Gas Group IIC. Certified by CIMFR No: - CIMFR/TC/P/H372.
- "COSMOS" CHIEF CONTROLLER OF EXPLOSIVES (CCOE) CERTIFICATE FOR FLAMEPROOF Cable Glands suitable for Gas Groups I, IIA, IIB. As per IS: 2148 - 1981. CCOE Certificate No. A/P/HQ/MH/104/713. (P116628).

**1100 VOLTAS MULTICORE CONTROL CABLE WITH SOLID COPPER CONDUCTOR OF SIZE 2.5 SQ. MM XLPE INSULATED, ARMoured CABLE CONFORMING TO IS 7098 PART - 1 / 1988**

No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE							DOUBLE COMPRESSION TYPE			
		Medium Duty	Heavy Duty (SCG) as Per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Flange Type	Weather Proof Type (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLP		
2 x 2.5	13.5	CI 5/8"	SCG 3	(1619)	15 mm	20 mm	CI 5	CIW 01S	CIF 01S	3/4"		
3 x 2.5	14.0	CI 5/8"	SCG 3	(1619)	15 mm	20 mm	CI 5	CIW 01S	CIF 01S	3/4"		
4 x 2.5	14.5	CI 5/8"	SCG 3	(1619)	15 mm	20 mm	CI 5	CIW 01S	CIF 01S	3/4"		
5 x 2.5	15.5	CI 3/4"	SCG 3	(1619)	15 mm	20 mm	CI 5	CIW 01S	CIF 01S	3/4"		
6 x 2.5	16.5	CI 3/4"	SCG 4	(2119)	18 mm	20 mm	CI 4	CIW 01	CIF 01	3/4"		
7 x 2.5	17.0	CI 7/8"	SCG 4	(2119)	18 mm	20 mm	CI 4	CIW 01	CIF 01	3/4"		
10 x 2.5	20.5	CI 1"	SCG 5	(2125)	20 mm	25 mm	CI 3	CIW 03	CIF 03	1"		
12 x 2.5	21.0	CI 1"	SCG 6	(2925)	21 mm	25 mm	CI 3	CIW 03	CIF 03	1"		
14 x 2.5	21.5	CI 1"	SCG 6	(2925)	23 mm	25 mm	CI 2	CIW 03	CIF 03	1"		
16 x 2.5	22.0	CI 1"	SCG 6	(2925)	23 mm	25 mm	CI 2	CIW 03	CIF 03	1"		
19 x 2.5	22.5	CI 1 1/8"	SCG 6	(2925)	23 mm	25 mm	CI 2	CIW 03	CIF 03	1"		
24 x 2.5	25.5	CI 1 1/8"	SCG 6	(2925)	25 mm	25 mm	CI 1	CIW 04	CIF 04	1"		
27 x 2.5	26.5	CI 1 1/4"	SCG 7	(2932)	27 mm	32 mm	CI 1	CIW 05	CIF 05	1 1/4"		
30 x 2.5	27.5	CI 1 1/4"	SCG 7	(2932)	29 mm	32 mm	CI 1	CIW 05	CIF 05	1 1/4"		
37 x 2.5	29.5	CI 1 1/4"	SCG 8	(2938)	30 mm	40 mm	CI 1	CIW 05	CIF 05	1 1/4"		
44 x 2.5	33.0	CI 1 3/8"	SCG 8	(2938)	32 mm	40 mm	CI 0	CIW 07	CIF 07	1 1/2"		
52 x 2.5	34.5	CI 1 1/2"	SCG 9	(3638)	35 mm	40 mm	CI 0	CIW 07	CIF 07	1 1/2"		
61 x 2.5	36.0	CI 1 1/2"	SCG 9	(3638)	37 mm	40 mm	CI 00	CIW 07	CIF 07	1 1/2"		

APPROVED BY LEADING ELECTRICAL CONSULTANTS

 एनटीपीसी NTPC	 POWER GRID CORPORATION OF INDIA LIMITED	 EIL Engineers India Limited
 बीएल BHEL	 TCE TCE Consulting Engineers Limited	 NUCLEAR POWER CORPORATION OF INDIA LIMITED
 UHDE Uhde India Limited	 KVÆRNER Kvaerner Powergas India Ltd.	 DASTURGO M.N. Dastur & Co. Ltd.
 DESEIN	 JE JACOBS H&G Pvt. Ltd.	 DEVELOPMENT CONSULTANTS PVT. LTD.

THREE & HALF CORE ALUMINIUM/COPPER CONDUCTOR, XLPE INSULATED, ARMoured CABLE CONFORMING TO IS 7098 PART-1/1988

No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE						DOUBLE COMPRESSION TYPE		
		Medium Duty	Heavy Duty (SCG) as per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Flange Type Gland	Weather Proof (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLP
3 1/2 x 25/16 sm/mm	23.0	CI 1 1/8"	SCG 6	(2925)	23 mm	25 mm	CI 2	CIW 04	CIF 04	1"
3 1/2 x 35/16 sm/mm	25.0	CI 1 1/8"	SCG 6	(2925)	25 mm	25 mm	CI 1	CIW 04	CIF 04	1"
3 1/2 x 50/25 sm	28.0	CI 1 1/4"	SCG 7	(2932)	29 mm	32 mm	CI 1	CIW 05	CIF 05	1 1/4"
3 1/2 x 70/35 sm	32.0	CI 1 3/8"	SCG 8	(2938)	32 mm	40 mm	CI 11	CIW 06	CIF 06	1 1/2"
3 1/2 x 95/50 sm	36.0	CI 1 1/2"	SCG 9	(3638)	37 mm	40 mm	CI 00	CIW 07	CIF 07	1 1/2"
3 1/2 x 120/70 sm	39.0	CI 1 3/4"	SCG 10	(4251)	40 mm	50 mm	CI 38	CIW 08	CIF 08	2"
3 1/2 x 150/70 sm	42.0	CI 1 3/4"	SCG 10	(4251)	42 mm	50 mm	CI 001	CIW 09	CIF 09	2"
3 1/2 x 185/95 sm	47.5	CI 2"	SCG 11	(5451)	48 mm	50 mm	CI 002	CIW 10	CIF 10	2"
3 1/2 x 240/120 sm	53.5	CI 2 1/4"	SCG 13	(6063)	55 mm	63 mm	CI 003	CIW 11	CIF 11	2 1/2"
3 1/2 x 300/150 sm	57.0	CI 2 1/2"	SCG 13	(6063)	58 mm	63 mm	CI 003	CIW 11	CIF 11	2 1/2"
3 1/2 x 400/185 sm	65.0	CI 2 3/4"	SCG 14	(6675)	66 mm	75 mm	CI 0033	CIW 12	CIF 12	3"
3 1/2 x 500/240 sm	73.5	CI 3 1/4"	SCG 16	(7882)	74 mm	82 mm	CI 004	CIW 13	CIF 13	3 1/4"

FOUR CORE ALUMINIUM/COPPER CONDUCTOR, XLPE INSULATED, ARMoured CABLE CONFORMING TO IS 7098 PART-1/1988

No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE						DOUBLE COMPRESSION TYPE		
		Medium Duty	Heavy Duty (SCG) as per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Flange Type Gland	Weather Proof (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLP
4 x 4	17.5	CI 7/8"	SCG 5	(2125)	18 mm	25 mm	CI 4	CIW 01	CIF 01	3/4"
4 x 6	18.5	CI 7/8"	SCG 5	(2125)	20 mm	25 mm	CI 4	CIW 02	CIF 02	1"
4 x 10	20.5	CI 1"	SCG 5	(2125)	20 mm	25 mm	CI 3	CIW 03	CIF 03	1"
4 x 16	20.5	CI 1"	SCG 5	(2125)	20 mm	25 mm	CI 3	CIW 03	CIF 03	1"
4 x 25	23.0	CI 1 1/8"	SCG 6	(2925)	23 mm	25 mm	CI 2	CIW 04	CIF 04	1"
4 x 35	25.0	CI 1 1/8"	SCG 6	(2925)	25 mm	25 mm	CI 1	CIW 04	CIF 04	1"
4 x 50	28.0	CI 1 1/4"	SCG 7	(2932)	29 mm	32 mm	CI 1	CIW 05	CIF 05	1 1/4"
4 x 70	32.0	CI 1 3/8"	SCG 8	(2938)	32 mm	40 mm	CI 11	CIW 06	CIF 06	1 1/2"
4 x 95	35.0	CI 1 1/2"	SCG 9	(3638)	35 mm	50 mm	CI 00	CIW 07	CIF 07	1 1/2"
4 x 120	39.0	CI 1 3/4"	SCG 10	(4251)	40 mm	50 mm	CI 38	CIW 08	CIF 08	2"
4 x 150	43.5	CI 2"	SCG 11	(5451)	44 mm	50 mm	CI 001	CIW 09	CIF 09	2"
4 x 185	48.0	CI 2"	SCG 12	(5463)	48 mm	63 mm	CI 002	CIW 10	CIF 10	2"
4 x 240	54.0	CI 2 1/4"	SCG 13	(6063)	55 mm	63 mm	CI 003	CIW 11	CIF 11	2 1/2"
4 x 300	59.5	CI 2 1/2"	SCG 13	(6063)	60 mm	63 mm	CI 003	CIW 11	CIF 11	2 1/2"
4 x 400	66.5	CI 2 3/4"	SCG 14	(6675)	66 mm	75 mm	CI 0033	CIW 13A	CIF 13A	3"

TWIN CORE ALUMINIUM/COPPER CONDUCTOR, XLPE INSULATED, ARMoured CABLE CONFORMING TO IS 7098 PART-1/1988												
No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE						DOUBLE COMPRESSION TYPE				
		Medium Duty	Heavy Duty (SCG) as Per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Flange Type Gland	Weather Proof Type (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLP		
2 x 4	15.5	CI 3/4"	SCG 3	(1619)	15 mm	20 mm	CI 5	CIW 01S	CIF 01S	3/4"		
2 x 6	16.5	CI 3/4"	SCG 4	(2119)	18 mm	20 mm	CI 4	CIW 01S	CIF 01S	3/4"		
2 x 10	18.0	CI 7/8"	SCG 5	(2125)	18 mm	25 mm	CI 4	CIW 01	CIF 01	3/4"		
2 x 16	18.0	CI 7/8"	SCG 5	(2125)	18 mm	25 mm	CI 4	CIW 01	CIF 01	3/4"		
2 x 25	18.5	CI 7/8"	SCG 5	(2125)	20 mm	25 mm	CI 4	CIW 02	CIF 02	1"		
2 x 35	20.0	CI 1"	SCG 5	(2125)	20 mm	25 mm	CI 3	CIW 02	CIF 02	1"		
2 x 50	22.5	CI 1 1/8"	SCG 6	(2925)	23 mm	25 mm	CI 2	CIW 03	CIF 03	1"		
2 x 70	25.0	CI 1 1/8"	SCG 6	(2925)	25 mm	25 mm	CI 1	CIW 04	CIF 04	1"		
2 x 95	28.0	CI 1 1/4"	SCG 7	(2932)	29 mm	32 mm	CI 1	CIW 05	CIF 05	1 1/4"		
2 x 120	30.5	CI 1 1/4"	SCG 8	(2938)	32 mm	40 mm	CI 11	CIW 06	CIF 06	1 1/2"		
2 x 150	34.0	CI 1 1/2"	SCG 9	(3638)	35 mm	40 mm	CI 0	CIW 07	CIF 07	1 1/2"		
2 x 185	37.0	CI 1 1/2"	SCG 9	(3638)	37 mm	40 mm	CI 00	CIW 08	CIF 08	2"		
2 x 240	41.0	CI 1 3/4"	SCG 10	(4251)	42 mm	50 mm	CI 00	CIW 09	CIF 09	2"		
2 x 300	45.5	CI 2"	SCG 11	(5451)	46 mm	50 mm	CI 001	CIW 09	CIF 09	2"		
2 x 400	51.0	CI 2 1/4"	SCG 12	(5463)	50 mm	63 mm	CI 002	CIW 010	CIF 010	2"		
2 x 500	56.5	CI 2 1/2"	SCG 13	(6063)	58 mm	63 mm	CI 003	CIW 011	CIF 011	2 1/2"		
2 x 630	62.5	CI 2 3/4"	SCG 14	(6675)	62 mm	75 mm	CI 0033	CIW 012	CIF 012	3"		

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IRITES

THREE CORE ALUMINIUM/COPPER CONDUCTOR, XLPE INSULATED, ARMoured CABLE CONFORMING TO IS 7098 PART-1/1988												
No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE						DOUBLE COMPRESSION TYPE				
		Medium Duty	Heavy Duty (SCG) as Per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Flange Type Gland	Weather Proof Type (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLP		
3 x 4	16.0	CI 3/4"	SCG 4	(2119)	16 mm	20 mm	CI 5	CIW 01S	CIF 01S	3/4"		
3 x 6	17.0	CI 7/8"	SCG 4	(2119)	18 mm	20 mm	CI 4	CIW 01	CIF 01	3/4"		
3 x 10	19.0	CI 1"	SCG 5	(2125)	20 mm	25 mm	CI 3	CIW 02	CIF 02	1"		
3 x 16	19.0	CI 1"	SCG 5	(2125)	20 mm	25 mm	CI 3	CIW 02	CIF 02	1"		
3 x 25	20.5	CI 1"	SCG 5	(2125)	20 mm	25 mm	CI 3	CIW 03	CIF 03	1"		
3 x 35	23.0	CI 1 1/8"	SCG 6	(2925)	23 mm	25 mm	CI 2	CIW 04	CIF 04	1"		
3 x 50	25.5	CI 1 1/8"	SCG 6	(2925)	25 mm	25 mm	CI 1	CIW 04	CIF 04	1"		
3 x 70	30.0	CI 1 1/4"	SCG 8	(2938)	30 mm	40 mm	CI 11	CIW 06	CIF 06	1 1/2"		
3 x 95	33.5	CI 1 3/8"	SCG 9	(3638)	35 mm	40 mm	CI 0	CIW 07	CIF 07	1 1/2"		
3 x 120	35.5	CI 1 1/2"	SCG 9	(3638)	37 mm	40 mm	CI 00	CIW 07	CIF 07	1 1/2"		
3 x 150	40.5	CI 1 3/4"	SCG 10	(4251)	42 mm	50 mm	CI 001	CIW 08	CIF 08	2"		
3 x 185	44.5	CI 2"	SCG 11	(5451)	46 mm	50 mm	CI 001	CIW 09	CIF 09	2"		
3 x 240	49.0	CI 2 1/4"	SCG 12	(5463)	50 mm	63 mm	CI 002	CIW 010	CIF 010	2"		
3 x 300	53.0	CI 2 1/4"	SCG 13	(6063)	53 mm	63 mm	CI 003	CIW 011	CIF 011	2 1/2"		
3 x 400	58.5	CI 2 1/2"	SCG 13	(6063)	60 mm	63 mm	CI 003	CIW 011	CIF 011	2 1/2"		
3 x 500	67.0	CI 2 3/4"	SCG 14	(6675)	66 mm	75 mm	CI 004	CIW 013A	CIF 013A	3"		
3 x 630	73.0	CI 3"	SCG 16	(7882)	74 mm	82 mm	CI 004	CIW 013	CIF 013	3 1/4"		



Mott MacDonald  
Dalal Mott MacDonald



Chemtex  
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Gherzi Eastern Ltd.  
Engineers, Architects & Consultants

OUR PRESTIGIOUS CLIENTS



1100 VOLTS MULTICORE CONTROL CABLE WITH SOLID COPPER CONDUCTOR OF SIZE 2.5 SQ. MMXLPE INSULATED, UNARMOURD CABLE CONFORMING TO IS 7098 PART - 1 / 1988

No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE					DOUBLE COMPRESSION TYPE		
		Medium Duty	Heavy Duty (SCG) as Per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Weather Proof Type (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLP
2 x 2.5	11.5	CI 5/8"	SCG 3	(1619)	13 mm	20 mm	CIW 01SS	CIF 01SS	3/4"
3 x 2.5	12.0	CI 3/4"	SCG 3	(1619)	13 mm	20 mm	CIW 01SS	CIF 01SS	3/4"
4 x 2.5	13.0	CI 3/4"	SCG 3	(1619)	13 mm	20 mm	CIW 01S	CIF 01S	3/4"
5 x 2.5	14.0	CI 3/4"	SCG 3	(1619)	15 mm	20 mm	CIW 01S	CIF 01S	3/4"
6 x 2.5	15.0	CI 1"	SCG 5	(2125)	16 mm	25 mm	CIW 01A	CIF 01A	1"
7 x 2.5	15.5	CI 1"	SCG 5	(2125)	16 mm	25 mm	CIW 01A	CIF 01A	1"
10 x 2.5	17.5	CI 1"	SCG 5	(2125)	18 mm	25 mm	CIW 01A	CIF 01A	1"
12 x 2.5	18.0	CI 1"	SCG 5	(2125)	18 mm	25 mm	CIW 01A	CIF 01A	1"
14 x 2.5	19.0	CI 1"	SCG 5	(2125)	20 mm	25 mm	CIW 02	CIF 02	1"
16 x 2.5	20.5	CI 1"	SCG 5	(2125)	20 mm	25 mm	CIW 03	CIF 03	1"
19 x 2.5	21.5	CI 1 1/8"	SCG 7	(2932)	23 mm	32 mm	CIW 03A	CIF 03A	28 mm
24 x 2.5	24.5	CI 1 1/4"	SCG 7	(2932)	25 mm	32 mm	CIW 04A	CIF 04A	1 1/4"
27 x 2.5	25.5	CI 1 1/4"	SCG 7	(2932)	27 mm	32 mm	CIW 05	CIF 05	1 1/4"
30 x 2.5	26.0	CI 1 1/4"	SCG 7	(2932)	27 mm	32 mm	CIW 05	CIF 05	1 1/4"
37 x 2.5	28.0	CI 1 3/8"	SCG 8	(2938)	30 mm	40 mm	CIW 05A	CIF 05A	1 1/2"
44 x 2.5	32.0	CI 1 1/2"	SCG 8	(2938)	33 mm	40 mm	CIW 06	CIF 06	1 1/2"
52 x 2.5	33.5	CI 1 3/4"	SCG 10	(4251)	35 mm	50 mm	CIW 07A	CIF 07A	42 mm
61 x 2.5	35.0	CI 1 3/4"	SCG 10	(4251)	35 mm	50 mm	CIW 07A	CIF 07A	42 mm

FOR UNARMOURD CABLE

SINGLE CORE ALUMINIUM/COPPER CONDUCTOR, XLPE INSULATED, ARMOURD CABLE CONFORMING TO IS 7098 PART-1/1988

No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE					DOUBLE COMPRESSION TYPE			
		Medium Duty	Heavy Duty (SCG) as Per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Flange Type Gland	Weather Proof Type (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLP
1 x 4	10.0	CI 1/2"	SCG 2	(1616)	11 mm	16 mm	CI 5	CIW 01SS	CIF 01SS	3/4"
1 x 6	10.5	CI 1/2"	SCG 2	(1616)	11 mm	16 mm	CI 5	CIW 01SS	CIF 01SS	3/4"
1 x 10	11.5	CI 5/8"	SCG 2	(1616)	13 mm	16 mm	CI 5	CIW 01SS	CIF 01SS	3/4"
1 x 16	13.0	CI 5/8"	SCG 3	(1619)	13 mm	20 mm	CI 5	CIW 01SS	CIF 01SS	3/4"
1 x 25	14.0	CI 5/8"	SCG 3	(1619)	15 mm	20 mm	CI 5	CIW 01S	CIF 01S	3/4"
1 x 35	15.0	CI 3/4"	SCG 3	(1619)	15 mm	20 mm	CI 5	CIW 01S	CIF 01S	3/4"
1 x 50	17.0	CI 7/8"	SCG 4	(2119)	18 mm	20 mm	CI 4	CIW 01	CIF 01	3/4"
1 x 70	19.0	CI 1"	SCG 5	(2125)	20 mm	25 mm	CI 3	CIW 02	CIF 02	1"
1 x 95	21.0	CI 1"	SCG 5	(2125)	20 mm	25 mm	CI 2	CIW 03	CIF 03	1"
1 x 120	22.0	CI 1"	SCG 6	(2925)	23 mm	25 mm	CI 2	CIW 03	CIF 03	1"
1 x 150	23.0	CI 1 1/8"	SCG 6	(2925)	23 mm	25 mm	CI 2	CIW 04	CIF 04	1"
1 x 185	26.5	CI 1 1/4"	SCG 7	(2932)	27 mm	32 mm	CI 1	CIW 05	CIF 05	1 1/4"
1 x 225	28.0	CI 1 1/4"	SCG 7	(2932)	29 mm	32 mm	CI 1	CIW 05	CIF 05	1 1/4"
1 x 240	29.0	CI 1 1/4"	SCG 7	(2932)	29 mm	32 mm	CI 1	CIW 05	CIF 05	1 1/4"
1 x 300	31.5	CI 1 3/8"	SCG 8	(2938)	32 mm	40 mm	CI 11	CIW 06	CIF 06	1 1/2"
1 x 400	36.5	CI 1 1/2"	SCG 9	(3638)	37 mm	40 mm	CI 00	CIW 07	CIF 07	1 1/2"
1 x 500	39.5	CI 1 3/4"	SCG 10	(4251)	40 mm	50 mm	CI 38	CIW 08	CIF 08	2"
1 x 630	43.0	CI 2"	SCG 10	(4251)	42 mm	50 mm	CI 001	CIW 09	CIF 09	2"
1 x 800	49.5	CI 2 1/4"	SCG 12	(5463)	50 mm	63 mm	CI 002	CIW 10	CIF 10	2"
1 x 1000	55.0	CI 2 1/2"	SCG 13	(6063)	55 mm	63 mm	CI 003	CIW 11	CIF 11	2 1/2"

FOR ARMOURD CABLE

**FOUR CORE ALUMINIUM/COPPER CONDUCTOR, XLPE INSULATED, UNARMoured CABLE CONFORMING TO IS 7098 PART-1/1988**

No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE					DOUBLE COMPRESSION TYPE		
		Medium Duty	Heavy Duty (SCG) as Per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Weather Proof (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLP
4 x 4	16.0	CI 1"	SCG 5	(2125)	16 mm	25 mm	CIW 01A	CIF 01A	1"
4 x 6	17.5	CI 1"	SCG 5	(2125)	18 mm	25 mm	CIW 01A	CIF 01A	1"
4 x 10	18.5	CI 1"	SCG 5	(2125)	20 mm	25 mm	CIW 02	CIF 02	1"
4 x 16	20.5	CI 1 1/8"	SCG 7	(2932)	21 mm	32 mm	CIW 03	CIF 03	1"
4 x 25	21.0	CI 1 1/8"	SCG 7	(2932)	21 mm	32 mm	CIW 03A	CIF 03A	28 mm
4 x 35	23.5	CI 1 1/8"	SCG 7	(2932)	25 mm	32 mm	CIW 04A	CIF 04A	1 1/4"
4 x 50	26.0	CI 1 1/4"	SCG 7	(2932)	27 mm	32 mm	CIW 05	CIF 05	1 1/4"
4 x 70	30.5	CI 1 3/8"	SCG 8	(2938)	31 mm	40 mm	CIW 06	CIF 06	1 1/2"
4 x 95	33.5	CI 1 3/4"	SCG 10	(4251)	35 mm	50 mm	CIW 07A	CIF 07A	42 mm
4 x 120	37.0	CI 1 3/4"	SCG 10	(4251)	38 mm	50 mm	CIW 08	CIF 08	2"
4 x 150	42.5	CI 2"	SCG 10	(4251)	42 mm	50 mm	CIW 09	CIF 09	2"
4 x 185	46.5	CI 2 1/4"	SCG 12	(5463)	48 mm	63 mm	CIW 010A	CIF 010A	2 1/2"
4 x 240	52.5	CI 2 1/2"	SCG 13	(6063)	53 mm	63 mm	CIW 011	CIF 011	2 1/2"
4 x 300	58.0	CI 2 3/4"	SCG 14	(6675)	60 mm	75 mm	CIW 012	CIF 012	3"
4 x 400	66.0	CI 3"	SCG 14	(6675)	66 mm	75 mm	CIW 012	CIF 012	3"



**1100 VOLTAS MULTICORE CONTROL CABLE WITH SOLID COPPER CONDUCTOR OF SIZE 1.5 SQ. MM XLPE INSULATED, UNARMoured CABLE CONFORMING TO IS 7098 PART - 1 / 1988**

No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE					DOUBLE COMPRESSION TYPE		
		Medium Duty	Heavy Duty (SCG) as Per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Weather Proof (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLP
2 x 1.5	10.0	CI 5/8"	SCG 3	(1619)	11 mm	20 mm	CIW 01SS	CIF 01SS	3/4"
3 x 1.5	10.5	CI 5/8"	SCG 3	(1619)	11 mm	20 mm	CIW 01SS	CIF 01SS	3/4"
4 x 1.5	11.5	CI 5/8"	SCG 3	(1619)	13 mm	20 mm	CIW 01SS	CIF 01SS	3/4"
5 x 1.5	12.5	CI 5/8"	SCG 3	(1619)	13 mm	20 mm	CIW 01SS	CIF 01SS	3/4"
6 x 1.5	13.5	CI 3/4"	SCG 3	(1619)	15 mm	20 mm	CIW 01S	CIF 01S	3/4"
7 x 1.5	14.0	CI 3/4"	SCG 3	(1619)	15 mm	20 mm	CIW 01S	CIF 01S	3/4"
10 x 1.5	17.0	CI 1"	SCG 5	(2125)	18 mm	25 mm	CIW 01A	CIF 01A	1"
12 x 1.5	17.5	CI 1"	SCG 5	(2125)	18 mm	25 mm	CIW 01A	CIF 01A	1"
14 x 1.5	18.0	CI 1"	SCG 5	(2125)	18 mm	25 mm	CIW 01A	CIF 01A	1"
16 x 1.5	18.5	CI 1"	SCG 5	(2125)	20 mm	25 mm	CIW 02	CIF 02	1"
19 x 1.5	20.0	CI 1"	SCG 5	(2125)	20 mm	25 mm	CIW 03	CIF 03	1"
24 x 1.5	22.5	CI 1 1/8"	SCG 7	(2932)	23 mm	32 mm	CIW 03A	CIF 03A	28 mm
27 x 1.5	23.0	CI 1 1/8"	SCG 7	(2932)	23 mm	32 mm	CIW 04A	CIF 04A	1 1/4"
30 x 1.5	23.5	CI 1 1/8"	SCG 7	(2932)	25 mm	32 mm	CIW 04A	CIF 04A	1 1/4"
37 x 1.5	25.0	CI 1 1/4"	SCG 7	(2932)	25 mm	32 mm	CIW 04A	CIF 04A	1 1/4"
44 x 1.5	28.0	CI 1 3/8"	SCG 8	(2938)	29 mm	40 mm	CIW 05A	CIF 05A	1 1/2"
52 x 1.5	29.0	CI 1 3/8"	SCG 8	(2938)	30 mm	40 mm	CIW 05A	CIF 05A	1 1/2"
61 x 1.5	31.0	CI 1 1/2"	SCG 8	(2938)	31 mm	40 mm	CIW 06	CIF 06	1 1/2"

**OUR PRESTIGIOUS CLIENTS**

**COSMOS Double Compression Weather Proof Cable Glands as per BS 6121 with IP 67 as per IS 13947.....**

**TECHNICAL DATA:**

Material : Brass (IS-319) Standard, Ref. Standard : BS 6121, (Alu./ S.S. / M.S. /also available), Ingress Protection : IP 67 as per IS 13947, Finish : Nickel Plated Standard, Type Test Report No.: 301, (Tin / Cadmium / Chrome also Available) Application : Generally for Outdoor & Indoor use, Entry Threads : BSC Standard, For Armoured & Unarmoured Cables, (PG / Metric / NPT / BSP also Available) Series : CIW Sealing Ring : Neoprene



**Application**  
Weather Proof Glands are used in Regular Climatic Conditions, Which are Water Proof & Dust Proof (IP 67). With the Protection of PVC Hood it can be used in Different Areas.

**Parts of Glands:**  
1) Check Nut, 2) Washer, 3) Nipple Entry Part, 4) Neoprene Inner Rubber, 5) Armour Clamping cone, 6) Armour Clamping Ring, 7) Main Gland Body, 8) Neoprene Outer Rubber, 9) Skid Washer, 10) Gland Cover. As all the metal parts are made of brass, as per the Approved Drawing.

**Certificates:**  
Type Test Report from MSME Testing Center as per BS 6121, with IP 67 No. 301

**Accessories:**  
PVC Hood, Earth Tag, Stopping Plug, Reducers, Adaptors, etc are Available with Specified Dimensions, In Accordance to the Gland, Separately.

**Fitting sequence**

- Insert Part No.10, 9, 8, & 7 respectively on the Outer Sheath of the cable before Exposing the Armour,
- After Removing Over Sheath of the Cable, Insert Part No.6 over the Exposed Armour,
- Size Armour length, Lift Armour, & Insert Part No.5 under the Armour, Taper Part facing Inward Side, Squeeze Part No.5, by pushing Part No.6, towards it,
- Insert Part No.4 & 3 on Inner Sheath, Than tight Part No.3 with Part No.7, & Tight Part No.10 with Part No.7.
- Finally Apply the full fitted Gland in the Enclosure with the Entry Thread provided, if The Enclosure does not have thread than tight the gland with the Part No.1 provided.

**THREE CORE ALUMINIUM/COPPER CONDUCTOR, XLPE INSULATED, UNARMOURD CABLE CONFORMING TO IS 7098 PART-1/1988**

No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE					DOUBLE COMPRESSION TYPE		
		Medium Duty	Heavy Duty (SCG) as per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Weather Proof (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLR
3 x 4	15.0	CI 3/4"	SCG 3	(1619)	15 mm	20 mm	CIW 01A	CIF 01A	1"
3 x 6	16.0	CI 1"	SCG 5	(2125)	16 mm	25 mm	CIW 01A	CIF 01A	1"
3 x 10	17.5	CI 1"	SCG 5	(2125)	18 mm	25 mm	CIW 01A	CIF 01A	1"
3 x 16	18.0	CI 1"	SCG 5	(2125)	18 mm	25 mm	CIW 01A	CIF 01A	1"
3 x 25	20.0	CI 1"	SCG 5	(2125)	20 mm	25 mm	CIW 03	CIF 03	1"
3 x 35	21.5	CI 1 1/8"	SCG 7	(2932)	23 mm	32 mm	CIW 03A	CIF 03A	42 MM
3 x 50	24.5	CI 1 1/4"	SCG 7	(2932)	25 mm	32 mm	CIW 04A	CIF 04A	1 1/4"
3 x 70	29.0	CI 1 3/8"	SCG 8	(2938)	30 mm	40 mm	CIW 05A	CIF 05A	1 1/2"
3 x 95	32.5	CI 1 1/2"	SCG 8	(2938)	33 mm	40 mm	CIW 06	CIF 06	1 1/2"
3 x 120	34.5	CI 1 3/4"	SCG 10	(4251)	36 mm	50 mm	CIW 07A	CIF 07A	42 MM
3 x 150	38.5	CI 1 3/4"	SCG 10	(4251)	40 mm	50 mm	CIW 08	CIF 08	2"
3 x 185	43.5	CI 2"	SCG 11	(5451)	44 mm	50 mm	CIW 09	CIF 09	2"
3 x 240	48.5	CI 2 1/4"	SCG 12	(5463)	50 mm	63 mm	CIW 010A	CIF 010A	2 1/2"
3 x 300	51.5	CI 2 1/4"	SCG 12	(6063)	53 mm	63 mm	CIW 010A	CIF 010A	2 1/2"
3 x 400	59.0	CI 2 3/4"	SCG 14	(6675)	60 mm	75 mm	CIW 012	CIF 012	3"
3 x 500	66.0	CI 3"	SCG 14	(6675)	66 mm	75 mm	CIW 012	CIF 012	3"
3 x 630	72.0	CI 3 1/4"	SCG 16	(7882)	73 mm	82 mm	CIW 013	CIF 013	3 1/4"

**THREE & HALF ALUMINIUM/COPPER CONDUCTOR, XLPE INSULATED, UNARMOURD CABLE CONFORMING TO IS 7098 PART-1/1988**

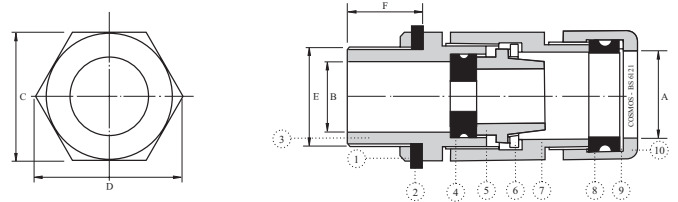
No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE					DOUBLE COMPRESSION TYPE		
		Medium Duty	Heavy Duty (SCG) as per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Weather Proof (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLR
3 1/2 x 25/16 sm/rm	22.0	CI 1 1/8"	SCG 7	(2932)	23 mm	32 mm	CIW 03A	CIF 03A	28 MM
3 1/2 x 35/16 sm/rm	24.0	CI 1 1/4"	SCG 7	(2932)	25 mm	32 mm	CIW 04A	CIF 04A	1 1/4"
3 1/2 x 50/25 sm	27.5	CI 1 3/8"	SCG 8	(2938)	29 mm	40 mm	CIW 05A	CIF 05A	1 1/2"
3 1/2 x 70/35 sm	31.0	CI 1 1/2"	SCG 8	(2938)	31 mm	40 mm	CIW 06	CIF 06	1 1/2"
3 1/2 x 95/50 sm	35.0	CI 1 3/4"	SCG 10	(4251)	36 mm	50 mm	CIW 07A	CIF 07A	42 MM
3 1/2 x 120/70 sm	37.5	CI 1 3/4"	SCG 10	(4251)	38 mm	50 mm	CIW 08	CIF 08	2"
3 1/2 x 150/70 sm	41.0	CI 1 3/4"	SCG 10	(4251)	42 mm	50 mm	CIW 08	CIF 08	2"
3 1/2 x 185/95 sm	46.5	CI 2 1/4"	SCG 12	(5463)	48 mm	63 mm	CIW 010A	CIF 010A	2 1/2"
3 1/2 x 240/120 sm	52.5	CI 2 1/2"	SCG 13	(6063)	53 mm	63 mm	CIW 011	CIF 011	2 1/2"
3 1/2 x 300/150 sm	56.0	CI 2 3/4"	SCG 14	(6675)	58 mm	75 mm	CIW 011	CIF 011	2 1/2"
3 1/2 x 400/185 sm	64.0	CI 3"	SCG 14	(6675)	64 mm	75 mm	CIW 012	CIF 012	3"
3 1/2 x 500/240 sm	72.5	CI 3 1/4"	SCG 16	(7882)	74 mm	82 mm	CIW 013	CIF 013	3 1/4"
3 1/2 x 630/ 300 sm	80.0	CI 3 1/2"	SCG 17	(SPI)	80 mm	90 mm	CIW 014	CIF 014	3 1/2"

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SINGLE CORE ALUMINIUM/COPPER CONDUCTOR, XLPE INSULATED, UNARMoured CABLE CONFORMING TO IS 7098 PART-1/1988										
No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE					DOUBLE COMPRESSION TYPE			
		Medium Duty	Heavy Duty (SCG) as per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Weather Proof (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLP	
1 x 4	8.0	CI 5/8"	SCG 2	(1616)	09 mm	16 mm	CIW 01SS	CIF 01SS	3/4"	
1 x 6	8.5	CI 5/8"	SCG 2	(1616)	09 mm	16 mm	CIW 01SS	CIF 01SS	3/4"	
1 x 10	9.5	CI 5/8"	SCG 2	(1616)	09 mm	16 mm	CIW 01SS	CIF 01SS	3/4"	
1 x 16	10.0	CI 5/8"	SCG 3	(1619)	11 mm	20 mm	CIW 01SS	CIF 01SS	3/4"	
1 x 25	12.0	CI 3/4"	SCG 3	(1619)	13 mm	20 mm	CIW 01SS	CIF 01S	3/4"	
1 x 35	13.0	CI 3/4"	SCG 3	(1619)	13 mm	20 mm	CIW 01S	CIF 01S	3/4"	
1 x 50	14.0	CI 3/4"	SCG 3	(1619)	15 mm	20 mm	CIW 01S	CIF 01S	3/4"	
1 x 70	16.0	CI 1"	SCG 5	(2125)	16 mm	25 mm	CIW 01A	CIF 01A	1"	
1 x 95	17.5	CI 1"	SCG 5	(2125)	18 mm	25 mm	CIW 01A	CIF 01A	1"	
1 x 120	19.0	CI 1"	SCG 5	(2125)	20 mm	25 mm	CIW 03	CIF 03	1"	
1 x 150	21.5	CI 1 1/8"	SCG 7	(2932)	23 mm	32 mm	CIW 03A	CIF 03A	28 mm	
1 x 185	23.5	CI 1 1/8"	SCG 7	(2932)	25 mm	32 mm	CIW 04A	CIF 04A	1 1/4"	
1 x 240	26.0	CI 1 1/4"	SCG 7	(2932)	27 mm	32 mm	CIW 05A	CIF 05A	1 1/2"	
1 x 300	28.5	CI 1 3/8"	SCG 8	(2938)	29 mm	40 mm	CIW 05A	CIF 05A	1 1/2"	
1 x 400	33.0	CI 1 1/2"	SCG 8	(2938)	33 mm	40 mm	CIW 06	CIF 06	1 1/2"	
1 x 500	36.0	CI 1 3/4"	SCG 10	(4251)	36 mm	50 mm	CIW 08	CIF 08	2"	
1 x 630	40.0	CI 1 3/4"	SCG 10	(4251)	40 mm	50 mm	CIW 08	CIF 09	2"	
1 x 800	46.0	CI 2 1/4"	SCG 12	(5463)	46 mm	63 mm	CIW 010A	CIF 010A	2 1/2"	
1 x 1000	52.0	CI 2 1/2"	SCG 13	(6663)	53 mm	63 mm	CIW 010A	CIF 010A	2 1/2"	

TWIN CORE ALUMINIUM/COPPER CONDUCTOR, XLPE INSULATED, UNARMoured CABLE CONFORMING TO IS 7098 PART-1/1988										
No. of Cores & Cross sectional Area	Approx. Overall Diameter of Cable	SINGLE COMPRESSION TYPE					DOUBLE COMPRESSION TYPE			
		Medium Duty	Heavy Duty (SCG) as per IS 12943	Old SIBG Code	I.D. Seal Ring	Nipple Entry in Metric	Weather Proof (CIW) as per BS 6121	Flame Proof Type (CIF) as per IS 2148	Nipple Entry For W/P & FLP	
2 x 4	13.0	CI 3/4"	SCG 3	(1619)	13 mm	20 mm	CIW 01S	CIF 01S	3/4"	
2 x 6	14.0	CI 3/4"	SCG 3	(1619)	15 mm	20 mm	CIW 01S	CIF 01S	3/4"	
2 x 10	16.0	CI 1"	SCG 5	(2125)	16 mm	25 mm	CIW 01A	CIF 01A	1"	
2 x 16	17.0	CI 1"	SCG 5	(2125)	18 mm	25 mm	CIW 01A	CIF 01A	1"	
2 x 25	18.0	CI 1"	SCG 5	(2125)	18 mm	25 mm	CIW 01A	CIF 01A	1"	
2 x 35	19.0	CI 1"	SCG 5	(2125)	20 mm	25 mm	CIW 02	CIF 02	1"	
2 x 50	21.0	CI 1 1/8"	SCG 7	(2932)	21 mm	32 mm	CIW 03A	CIF 03A	28 mm	
2 x 70	23.0	CI 1 1/8"	SCG 7	(2932)	23 mm	32 mm	CIW 04A	CIF 04A	1 1/4"	
2 x 95	26.5	CI 1 1/4"	SCG 7	(2932)	27 mm	32 mm	CIW 05A	CIF 05A	1 1/2"	
2 x 120	28.5	CI 1 3/8"	SCG 8	(2938)	29 mm	40 mm	CIW 05A	CIF 05A	1 1/2"	
2 x 150	32.0	CI 1 1/2"	SCG 8	(2938)	33 mm	40 mm	CIW 06	CIF 06	1 1/2"	
2 x 185	35.5	CI 1 3/4"	SCG 10	(4251)	36 mm	50 mm	CIW 07A	CIF 07A	42 mm	
2 x 240	39.5	CI 1 3/4"	SCG 10	(4251)	40 mm	50 mm	CIW 08	CIF 08	2"	
2 x 300	43.5	CI 2"	SCG 11	(5451)	44 mm	50 mm	CIW 09	CIF 09	2"	
2 x 400	49.0	CI 2 1/4"	SCG 12	(5463)	50 mm	63 mm	CIW 010A	CIF 010A	2 1/2"	
2 x 500	55.0	CI 2 1/2"	SCG 13	(6663)	55 mm	63 mm	CIW 011	CIF 011	2 1/2"	
2 x 630	61.5	CI 2 3/4"	SCG 14	(6675)	62 mm	75 mm	CIW 012	CIF 012	3"	

COSMOS  COSMOS Double Compression Weather Proof Cable Glands as per BS 6121 with IP 67 as per IS 13947.....



1	CHECK NUT	6	ARMOUR CLAMPING RING
2	WASHER	7	MAIN GLAND BODY
3	NIPPLE ENTRY PART	8	NEOPRENE OUTER RUBBER
4	NEOPRENE INNER RUBBER	9	SKID WASHER
5	ARMOUR CLAMPING CONE	10	GLAND COVER.

SUITABLE CABLE OVERALL DIA FROM	TO	COSMOS CODE CIW SERIES	A DIA MM	B DIA MM	C (A/F) MM	D (A/C) MM	E NIPPLE ENTRY (ET / BSC)	F LENGTH MM
6.0	13.0	CIW 01SS	13.0	13.0	21.0	24.0	3/4"	13.0
13.0	16.5	CIW 01S	18.0	14.5	25.0	29.0	3/4"	15.0
16.5	18.5	CIW 01	19.0	14.5	27.5	31.5	3/4"	15.0
16.5	18.5	CIW 01A	19.0	16.0	27.5	31.5	1"	15.0
18.5	20.0	CIW 02	21.0	18.0	30.0	34.5	1"	15.0
18.5	20.0	CIW 02A	21.0	14.5	30.0	34.5	3/4"	15.0
20.0	23.0	CIW 03	23.5	19.0	31.5	36.0	1"	15.0
23.0	26.0	CIW 04	27.0	20.5	36.0	41.5	1"	15.0
23.0	26.0	CIW 04A	27.0	22.0	36.0	41.5	1.1/4"	15.0
26.0	30.0	CIW 05	31.0	25.5	41.0	47.0	1.1/4"	15.0
26.0	30.0	CIW 05A	31.0	27.0	41.0	47.0	1.1/2"	15.0
30.0	33.0	CIW 06	34.5	31.0	47.0	54.0	1.1/2"	15.0
30.0	33.0	CIW 06A	34.5	27.0	47.0	54.0	1.1/4"	15.0
33.0	37.0	CIW 07	38.0	32.0	50.0	57.0	1.1/2"	15.0
37.0	41.0	CIW 08	42.5	38.5	56.0	64.0	2"	15.0
41.0	46.0	CIW 09	47.0	40.0	59.0	67.0	2"	15.0
46.0	52.0	CIW 010	53.0	44.0	67.0	77.0	2"	20.0
46.0	52.0	CIW 010A	53.0	50.0	67.0	77.0	2 1/2"	20.0
52.0	54.0	CIW 011S	57.0	51.0	74.0	85.0	2 1/2"	20.0
54.0	61.0	CIW 011	62.0	56.5	80.0	92.0	2 1/2"	20.0
61.0	66.0	CIW 012	68.0	64.0	85.0	98.0	3"	20.0
66.0	72.0	CIW 013A	73.0	67.0	90.0	103.0	3"	20.0
72.0	78.0	CIW 013	80.0	74.0	99.0	113.0	3.1/4"	20.0
78.0	84.0	CIW 014	85.0	78.0	105.0	121.0	3 1/2"	20.0
84.0	94.0	CIW 015	97.0	90.5	114.0	132.0	4"	20.0
94.0	104.0	CIW 016	106.0	101.0	130.0	149.0	4.1/2"	20.0

**COSMOS Double Compression Flame Proof Cable Glands as per IS 2148 - 2004 with IP 66 as per IS 13947 Suitable For gas Group I, IIA, & IIB, .....**

**TECHNICAL DATA:**

Material	: Brass (IS-319) Standard, (Alu./ S.S. / M.S. /also available)	CIMFR No.	: CIMFR / TC / SR / H253,
Finish	: Nickel Plated Standard, (Tin / Cadmium / Chrome also Available)	CCOE No.	: A / P / HQ / MH /104 / 713 (P 116628),
Entry Threads	: BSC Standard, (PG / Metric / NPT / BSP also Available)	Application	: Generally used in Flammable Gas / Vapors, Area Suitable For Gas Group I, IIA, & IIB),
Sealing Ring	: Neoprene,	Series	: CIF
Ref. Standard	: IS 2148 - 2004,		
Ingress Protection	: IP 66 as per IS 13947,		



**Application:**  
Flame Proof Glands are generally used in Hazardous Area, as well as in Normal Climatic Conditions also, which are also Weather Proof, Water Proof & Dust Proof (IP 66). With the Protection of PVC Hood it can be used in Different Areas.

**Parts of Glands:**  
1) Check Nut, 2) Washer, 3) Nipple Entry Part, 4) Neoprene Inner Rubber, 5) Armour Clamping cone, 6) Armour Clamping Ring, 7) Main Gland Body, 8) Neoprene Outer Rubber, 9) Skid Washer, 10) Gland Cover. As all the metal parts are made of brass, as per the Approved Drawing.

**Certificates:**  
CIMFR No. CIMFR / TC / SR / H253, CCOE No. : A / P / HQ / MH /104 / 713 (P 116628).

**Accessories:**  
PVC Hood, Earth Tag, Stopping Plug, Reducers, Adaptors, etc. are Available with Specified Dimensions, In Accordance to the Gland, Separately

**Fitting Sequence:**

- Insert Part No.10, 9, 8, & 7 respectively on the Outer Sheath of the cable before Exposing the Armour,
- After Removing Over Sheath of the Cable, Insert Part No.6 over the Exposed Armour,
- Size Armour length, Lift Armour, & Insert Part No.5 under the Armour, Taper Part facing Inward Side, Squeeze Part No.5, by pushing Part No.6, towards it,
- Insert Part No.4 & 3 on Inner Sheath, than tight Part No.3 with Part No.7, & Tight Part No.10 with Part No.7.
- Finally apply the full fitted Gland in the Enclosure with the Entry Thread provided, if the Enclosure does not have thread than tight the gland with the Check nut provided.

**ACCESSORIES FOR GLANDS**

**COSMOS STOPPING PLUG FOR WEATHER PROOF**

Material	Brass (IS-319) Standard. (AL /MS / S.S also available)
Finish	Nickel plated - Standard (Tin / Cadmium / Chrome also available)
Threads	BSC - Standard (PG / Metric / NPT / BSP also available )
Application	Weatherproof used in normal climatic condition

**COSMOS WEATHERPROOF REDUCEUR / ADAPTOR**

Material	Brass (IS-319) Standard. (AL /MS / S.S also available)
Finish	Nickel plated - Standard (Tin / Cadmium / Chrome also available)
Threads	BSC - Standard (PG / Metric / NPT / BSP also available )
Application	Weatherproof used in normal climatic condition

**COSMOS STOPPING PLUG FOR FLAME PROOF I, IIA, IIB**

Material	Brass (IS-319) Standard. (AL /MS / S.S also available)
Finish	Nickel plated - Standard (Tin / Cadmium / Chrome also available)
Threads	BSC - Standard (PG / Metric / NPT / BSP also available )
Ref.Standard	IS 2148 -2004
Cert. No.	CIMFR / TC / SR / H220
Application	Flameproof used in flammable gas vapor area ( Gas I, IIA and IIB )

**COSMOS REDUCEUR FOR FLAME PROOF I, IIA, IIB**

Material	Brass (IS-319) Standard. (AL /MS / S.S also available)
Finish	Nickel plated - Standard (Tin / Cadmium / Chrome also available)
Threads	BSC - Standard (PG / Metric / NPT / BSP also available )
Ref.Standard	IS 2148 -2004
Cert. No.	CIMFR / TC / SR / H355
Application	Flameproof used in flammable gas vapor area ( Gas I, IIA and IIB )

**COSMOS STOPPING PLUG FOR FLAME PROOF IIC**

Material	Brass (IS-319) Standard. (AL /MS / S.S also available)
Finish	Nickel plated - Standard (Tin / Cadmium / Chrome also available)
Threads	BSC - Standard (PG / Metric / NPT / BSP also available )
Ref.Standard	IS 2148 -2004
Ingress Prot.	IP 66, as per IS 13947
Cert. No.	CIMFR / TC / P / H373
Application	Flameproof used in flammable gas vapor area ( Gas IIC )

**COSMOS REDUCEUR FOR FLAME PROOF IIC**

Material	Brass (IS-319) Standard. (AL /MS / S.S also available)
Finish	Nickel plated - Standard (Tin / Cadmium / Chrome also available)
Threads	BSC - Standard (PG / Metric / NPT / BSP also available )
Ref.Standard	IS 2148 -2004
Ingress Prot.	IP 66, as per IS 13947
Cert. No.	CIMFR / TC / P / H372
Application	Flameproof used in flammable gas vapor area ( Gas IIC )



**PVC SHROUDS**  
For covering the cable glands as additional protection against weather conditions and corrosion.



**EARTH TAG**  
The Earth Tag ensures earthing continuity between gland and Enclosure. Material brass.

**OTHER RANGE OF CABLE GLANDS**

**FLANG TYPE CABLE GLAND**

**Technical Data**

Material	Brass (IS-319) Standard.
Finish	Brass
Entry Threads	ET / BSC
Application	Generally for Armoured Cable and Outdoor use

**PG TYPE CABLE GLAND**

**Technical Data**

Material	Polyamide 6
Colour	Grey, White & Black
Entry Threads	PG/Metric
Application	Generally for Armoured Cable and Outdoor use

**SELECTION GUIDE**

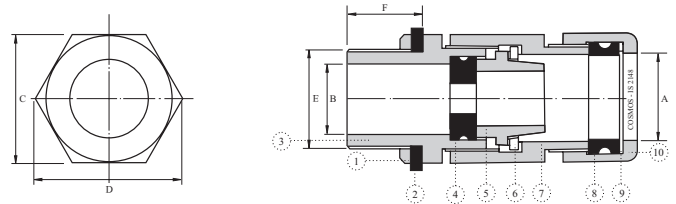
Cable Overall Diameter (mm) Suitable For		"COSMOS" Gland Code Size
From	To	
12.0	16.0	CI 5
16.0	18.0	CI 4
18.0	21.0	CI 3
21.0	25.0	CI 2
25.0	29.0	CI 1
29.0	33.0	CI 11
33.0	35.0	CI 0
35.0	38.0	CI 00
38.0	41.0	CI 38
41.0	45.0	CI 001
45.0	52.0	CI 002
52.0	59.0	CI 003
59.0	67.0	CI 0033
67.0	76.0	CI 004
76.0	84.0	CI 005

**SELECTION GUIDE**

Cable Overall Diameter (mm) Suitable For		"COSMOS" Glands Code Size
From	To	
3.0	6.0	PG 7
5.0	8.0	PG 9
7.0	10.0	PG 11
8.0	12.0	PG 13.5
10.0	14.0	PG 16
13.0	18.0	PG 21
18.0	24.0	PG 29
23.0	31.0	PG 36
30.0	37.0	PG 36
36.0	44.0	PG 48



COSMOS Double Compression Flame Proof Cable Glands as per IS 2148 - 2004 with IP 66 as per IS 13947 Suitable For gas Group I, IIA, & IIB, .....



1	CHECK NUT	6	ARMOUR CLAMPING RING
2	WASHER	7	MAIN GLAND BODY
3	NIPPLE ENTRY PART	8	NEOPRENE OUTER RUBBER
4	NEOPRENE INNER RUBBER	9	SKID WASHER
5	ARMOUR CLAMPING CONE	10	GLAND COVER.

SUITABLE CABLE OVERALL DIA		CIF SERIES	A DIA MM	B DIA MM	C (A/F) MM	D (A/C) MM	E NIPPLE SIZE (INCHES)	F MM
FROM	TO							
6.0	13.0	CIF 01SS	13.0	13.0	21.0	24.0	3/4"	25.0
13.0	16.5	CIF 01S	18.0	14.5	25.0	29.0	3/4"	25.0
16.5	18.5	CIF 01	19.0	14.5	27.5	31.5	3/4"	25.0
16.5	18.5	CIF 01A	19.0	14.5	27.5	31.5	1"	25.0
18.5	20.0	CIF 02	21.0	18.0	30.0	34.5	1"	25.0
18.5	20.0	CIF 02A	21.0	14.5	30.0	34.5	3/4"	25.0
20.0	23.0	CIF 03	23.5	19.0	31.5	36.0	1"	25.0
23.0	26.0	CIF 04	27.0	20.5	36.0	41.5	1"	25.0
23.0	26.0	CIF 04A	27.0	22.0	36.0	41.5	1.1/4"	25.0
26.0	30.0	CIF 05	31.0	25.5	41.0	47.0	1.1/4"	25.0
26.0	30.0	CIF 05A	31.0	27.0	41.0	47.0	1.1/2"	25.0
30.0	33.0	CIF 06	34.5	31.0	47.0	54.0	1.1/2"	25.0
30.0	33.0	CIF 06A	34.5	27.0	47.0	54.0	1.1/4"	25.0
33.0	37.0	CIF 07	38.0	32.0	50.0	57.0	1.1/2"	25.0
37.0	41.0	CIF 08	42.5	38.5	56.0	64.0	2"	25.0
41.0	46.0	CIF 09	47.0	40.0	59.0	67.0	2"	25.0
46.0	52.0	CIF 010	53.0	44.0	67.0	77.0	2"	25.0
46.0	52.0	CIF 010A	53.0	50.0	67.0	77.0	2.1/2"	25.0
52.0	54.0	CIF 011S	57.0	51.0	74.0	85.0	2.1/2"	28.0
54.0	61.0	CIF 011	62.0	56.5	80.0	92.0	2.1/2"	25.0
61.0	66.0	CIF 012	68.0	64.0	85.0	98.0	3"	25.0
66.0	72.0	CIF 013A	73.0	67.0	90.0	103.0	3"	25.0
72.0	78.0	CIF 013	80.0	74.0	99.0	113.0	3.1/4"	25.0
78.0	84.0	CIF 014	85.0	78.0	105.0	121.0	3.1/2"	25.0
84.0	94.0	CIF 015	97.0	90.5	114.0	132.0	4"	25.0
94.0	104.0	CIF 016	106.0	101.0	130.0	149.0	4.1/2"	25.0

**BW TYPE CABLE GLAND**

**Technical Data**

Material	Brass (IS-319) Standard.
Finish	Brass (Natural)
Range	20 mm to 90 mm
Ref. Standard	BS 6121
Application	Generally for Dry indoor situation, for plastic rubber insulated single wire armoured

**CW TYPE CABLE GLAND WITH OUTER SEAL**

**Technical Data**

Material	Brass (IS-319) Standard.
Finish	Brass (Natural)
Range	20 mm to 90 mm
Ref. Standard	BS 6121
Application	Generally for Dry indoor situation, for plastic rubber insulated single wire armoured or cable extruded or lapped bedding

**WIPPING GLAND**

**Technical Data**

Material	Brass (IS-319) Standard.
Finish	Natural(Tin/Cadmium/Chrome also available)
Threads	M10 for Earthing
Application	Generally for indoor / outdoor for Armoured & Unarmoured cable.

**COSMOS Double Compression Flame Proof Cable Glands as per IS 2148 - 2004 with IP 66 as per IS 13947 Suitable for gas Group IIC, .....**

**TECHNICAL DATA:**

Material	: Brass (IS-319) Standard, (Alu./ S.S. / M.S. /also available)	Ref. Standard	: IS 2148 - 1981,
Finish	: Nickel Plated Standard, (Tin / Cadmium / Chrome also Available)	Ingress Protection	: IP 66 as per IS 13947,
Entry Threads	: BSC Standard, (PG / Metric / NPT / BSP also Available)	CIMFR Certificate No.	: CIMFR / TC / P / H268,
Sealing Ring	: Neoprene,	Application	: Generally used in Flammable Gas / Vapors, Area Suitable For Gas Group IIC
		Series	: CIF IIC



**Application:**  
IIC Flame Proof Glands are generally used in Hydrogen / Hazardous Area, as well as in Normal Climatic Conditions also, which are Weather Proof, Water Proof & Dust Proof (IP 66). With the Protection of PVC Hood it can be used in Different Areas.

**Parts of Glands:**  
1) Check Nut, 2) Washer, 3) Nipple Entry Part, 4) Neoprene Inner Rubber, 5) Armour Clamping cone, 6) Armour Clamping Ring, 7) Main Gland Body, 8) Neoprene Outer Rubber, 9) Skid Washer, 10) Gland Cover.  
As all the metal parts are made of brass, as per the Approved Drawing.

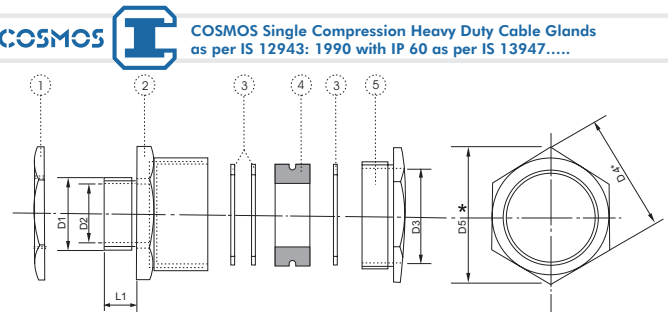
**Certificates:**  
CIMFR / TC / P / H268,  
Ingress Protection. IP 66 as per IS 13947

**Accessories:**  
PVC Hood, Earth Tag, Stopping Plug, Reducers, Adaptors, etc are Available with Specified Dimensions, In Accordance to the Gland, Separately.

**Fitting Sequence:**

- Insert Part No.10, 9, 8, & 7 respectively on the Outer Sheath of the cable before exposing the Armour.
- After Removing Over Sheath of the Cable, Insert Part No.6 over the exposed Armour.
- Size Armour length, Lift Armour, & Insert Part No.5 under the Armour, Taper Part Facing Inward side, Squeeze Part No.5, by pushing part No.6, towards it.
- Insert Part No.4 & 3 on Inner Sheath, than tight Part No.3 with Part No.7, & Tight Part No.10 with part No.7
- Finally apply the full fitted Gland in the Enclosure with the Entry Thread provided, if the Enclosure does not have thread than tight the gland with the Check nut provided.

**COSMOS Single Compression Heavy Duty Cable Glands as per IS 12943: 1990 with IP 60 as per IS 13947.....**



Sr. No.	NAME OF PART	MATERIAL	QTY.	Sr. No.	NAME OF PART	MATERIAL	QTY.
1	CHECK NUT	BRASS	1	4	OUTER SEALRING	NATURAL RUBBER	1
2	GLAND BODY	BRASS	1		GROOVED		
3	WASHER	BRASS / MS	3	5	COMPRESSION RING	BRASS	1

SUITABLE FOR CABLE OVERALL DIA		SIZE	D1 NIPPLE SIZE IN METRIC	D2	D3	D4	D5	L1
From	To							
9.0	12.0	SCG 1	16 X 1.5	12.0	16.0	22.0	25.5	9.0
12.0	15.5	SCG 2	16 X 1.5	12.0	18.5	25.0	29.0	9.0
12.0	15.5	SCG 3	20 X 1.5	15.0	18.5	25.0	29.0	9.0
15.5	21.0	SCG 4	20 X 1.5	15.0	24.0	30.0	34.5	9.5
15.5	21.0	SCG 5	25 X 1.5	20.5	24.0	31.5	36.0	9.5
21.0	25.0	SCG 6	25 X 1.5	20.5	28.5	35.0	40.0	10.0
25.0	29.0	SCG 7	32 X 1.5	27.0	33.0	40.0	46.0	12.0
29.0	33.0	SCG 8	40 X 1.5	34.0	37.0	46.0	53.0	12.0
33.0	38.0	SCG 9	40 X 1.5	34.0	41.0	50.0	57.5	12.0
38.0	43.0	SCG 10	50 X 1.5	44.0	47.0	58.0	67.0	13.0
43.0	50.0	SCG 11	50 X 1.5	44.0	52.0	65.0	75.0	13.0
43.0	51.0	SCG 12	63 X 1.5	55.0	61.5	73.0	84.0	14.0
51.0	61.0	SCG 13	63 X 1.5	55.0	65.0	77.0	89.0	14.0
61.0	66.0	SCG 14	75 X 1.5	68.0	71.0	85.0	98.0	15.0
66.0	72.0	SCG 15	75 X 1.5	67.0	76.0	90.0	104.0	15.0
72.0	79.0	SCG 16	82 X 1.5	73.0	82.0	97.0	112.0	17.0
79.0	84.0	SCG 17	90 X 1.5	81.0	91.0	108.0	124.0	19.0
84.0	92.0	SCG 18	100 X 1.5	91.0	98.0	117.0	135.0	20.0

**COSMOS Single Compression Heavy Duty Cable Glands as per IS 12943: 1990 with IP 60 as per IS 13947.....**

**TECHNICAL DATA:**

Material : Brass (IS-319) Standard, (Alu./S.S./M.S./also available)  
 Ref. Standard : IS 12943 - 1990  
 Finish : Nickel Plated Standard, (Tin / Cadmium / Chrome also Available)  
 Ingress Protection : IP 60 as per IS 13947,  
 Entry Threads : Metric Standard, (BSC / PG / NPT / BSP also Available)  
 Type Test Report No. : RTC / WR / ELEC / 95 / 03-04  
 Application : Generally for indoor use for Armoured & Unarmoured Cables  
 Sealing Ring : Natural  
 Series : SCG



**Application:**

Single Compression Glands are used in Regular Climatic Conditions, Which are Weather Proof & Dust Proof (IP 60). With the Protection of PVC Hood it can be used in Different Areas.

**Parts of Glands:**

1) Check Nut, 2) Main Gland Body, 3) Metal Washer (3.No.), 4) Outer Sheath Rubber, 5) Gland Cover. As all the metal parts are made of brass, as per the Approved Drawing.

**Certificates:**

Type Test Report from Regional Testing Center as per IS 12943, with IP 60, No. RTC / WR / ELEC / 95 / 03-04. Dt. 13/06/2003

**Accessories:**

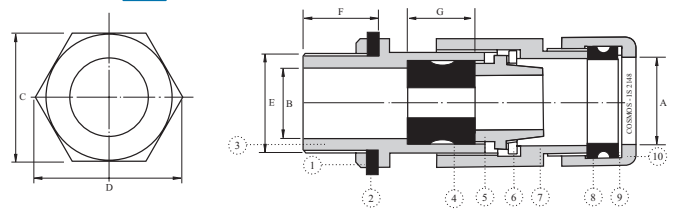
PVC Hood, Earth Tag, Stopping Plug, Reducers, Adaptors, etc are Available with Specified Dimensions, In Accordance to the Gland, Separately.

**Fitting sequence**

- Insert Part No.5, 3, & 4 Respectively on the Outer Sheath of the cable Before Exposing the Armour,
- After Removing Over Sheath of the Cable, Insert Part No.3, Now Exposed Armour, Size the Armour length According to the Washer & bend the same, Again Insert Part No.3 & place on the Bended Washer, so as to Secured armour safely.
- Insert Part No.2 on Inner Sheath, Than tight Part No.2 with Part No.5,
- Finally Apply the full fitted Gland in the Enclosure with the Entry Thread provided, if the Enclosure does not have thread than tight the gland with the Part No.1 provided



**COSMOS Double Compression Flame Proof Cable Glands as per IS 2148 - 2004 with IP 66 as per IS 13947 Suitable For gas Group IIC, .....**



1	CHECK NUT	6	ARMOUR CLAMPING RING
2	WASHER	7	MAIN GLAND BODY
3	NIPPLE ENTRY PART	8	NEOPRENE OUTER RUBBER
4	NEOPRENE INNER RUBBER	9	SKID WASHER
5	ARMOUR CLAMPING CONE	10	GLAND COVER.

SUITABLE CABLE OVERALL DIA		CIW SERIES	A DIA MM	B DIA MM	C (A/F) MM	D (A/C) MM	E NIPPLE SIZE (INCHES)	F MM	G MM
FROM	TO								
6.00	13.0	CIF IIC 01SS	13.0	13.0	21.0	24.0	3/4"	25.0	25.0
13.00	16.5	CIF IIC 01S	18.0	14.5	25.0	29.0	3/4"	25.0	25.0
16.50	18.5	CIF IIC 01	19.0	14.5	27.5	31.5	3/4"	25.0	25.0
16.50	18.5	CIF IIC 01A	19.0	14.5	27.5	31.5	1"	25.0	25.0
18.50	20.0	CIF IIC 02	21.0	18.0	30.0	34.5	1"	25.0	25.0
18.50	20.0	CIF IIC 02A	21.0	14.5	30.0	34.5	3/4"	25.0	25.0
20.00	23.0	CIF IIC 03	23.5	19.0	31.5	36.0	1"	25.0	25.0
23.00	26.0	CIF IIC 04	27.0	20.5	36.0	41.5	1"	25.0	25.0
23.00	26.0	CIF IIC 04A	27.0	22.0	36.0	41.5	1 1/4"	25.0	25.0
26.00	30.0	CIF IIC 05	31.0	25.5	41.0	47.0	1 1/4"	25.0	25.0
26.00	30.0	CIF IIC 05A	31.0	27.0	41.0	47.0	1 1/2"	25.0	25.0
30.00	33.0	CIF IIC 06	34.5	31.0	47.0	54.0	1 1/2"	25.0	25.0
30.00	33.0	CIF IIC 06A	34.5	27.0	47.0	54.0	1 1/4"	25.0	25.0
33.00	37.0	CIF IIC 07	38.0	32.0	50.0	57.0	1 1/2"	25.0	25.0
37.00	41.0	CIF IIC 08	42.5	38.5	56.0	64.0	2"	25.0	25.0
41.00	46.0	CIF IIC 09	47.0	40.0	59.0	67.0	2"	25.0	25.0
46.00	52.0	CIF IIC 010	53.0	44.0	67.0	77.0	2"	25.0	25.0
46.00	52.0	CIF IIC 010A	53.0	50.0	67.0	77.0	2 1/2"	25.0	25.0
52.00	54.0	CIF IIC 011S	57.0	51.0	74.0	85.0	2 1/2"	25.0	25.0
54.00	61.0	CIF IIC 011	62.0	56.5	80.0	92.0	2 1/2"	25.0	25.0
61.00	66.0	CIF IIC 012	68.0	64.0	85.0	98.0	3"	25.0	25.0
66.00	72.0	CIF IIC 013A	73.0	67.0	90.0	103.0	3"	25.0	25.0
72.00	78.0	CIF IIC 013	80.0	74.0	99.0	113.0	3 1/4"	25.0	25.0
78.00	84.0	CIF IIC 014	85.0	78.0	105.0	121.0	3 1/2"	25.0	25.0
84.00	94.0	CIF IIC 015	97.0	90.5	114.0	132.0	4"	25.0	25.0
94.00	104.0	CIF IIC 016	106.0	101.0	130.0	149.0	4 1/2"	25.0	25.0

**COSMOS Double Compression Weather Proof Cable Glands as per BS 6121 with IP 67 as per IS 13947 for Unarmoured Cables**

**TECHNICAL DATA:**

Material : Brass (IS-319) Standard, Ref. Standard : BS 6121,  
 (Alu./ S.S. / M.S. /also available), Ingress Protection : IP 67 as per IS 13947,  
 Finish : Nickel Plated Standard, Type Test Report No.: 301,  
 (Tin / Cadmium / Chrome also Available) Application : Generally for Outdoor & Indoor use,  
 Entry Threads : BSC Standard, For Armoured & Unarmoured Cables,  
 (PG / Metric / NPT / BSP also Available) Series : CIW  
 Sealing Ring : Neoprene



**Application**

Unarmoured Glands are used in Regular Climatic Conditions, which are Water Proof & Dust Proof (IP 67). With the Protection of PVC Hood it can be used in Different Areas.

**Parts of Glands:**

1) Check Nut, 2) Washer, 3) Nipple Entry Part, 4) Neoprene Inner Rubber, 5) Main Gland Body, 6) Neoprene Outer Rubber, 7) Skid Washer, 8) Gland Cover. As all the metal parts are made of brass, as per the Approved Drawing.

**Certificates:**

Type Test Report from MSME Testing Center as per BS 6121, with IP 67 No. 301

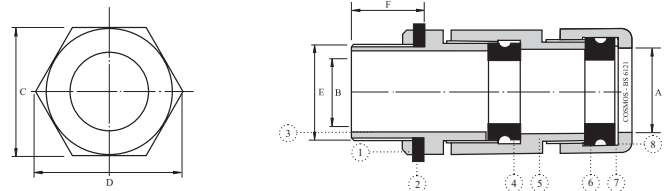
**Accessories:**

PVC Hood, Earth Tag, Stopping Plug, Reducers, Adaptors, etc are Available with Specified Dimensions, In Accordance to the Gland, Separately.

**Fitting sequence**

- (a) Insert Part No. 8, 7, 6, 5 & 4 respectively on the Outer Sheath of the cable.
- (b) Insert Part No. 3 on Outer Sheath, then tight Part No.3 with Part No.5, & Tight Part No.8 with Part No.5.
- (c) Finally Apply the full fitted Gland in the Enclosure with the Entry Thread provided, if The Enclosure does not have thread than tight the gland with the Part No.1 provided.

**COSMOS Double Compression Weather Proof Cable Glands as per BS 6121 with IP 67 as per IS 13947 for Unarmoured Cables**



1	CHECK NUT	5	MAIN GLAND BODY
2	WASHER	6	NEOPRENE OUTER RUBBER
3	NIPPLE ENTRY PART	7	SKID WASHER
4	NEOPRENE INNER RUBBER	8	GLAND COVER

SUITABLE CABLE OVERALL DIA FROM	SUITABLE CABLE OVERALL DIA TO	COSMOS CODE CIW SERIES	A DIA MM	B DIA MM	C (A/F) MM	D (A/C) MM	E NIPPLE ENTRY (ET / BSC)	F LENGTH MM
5.0	11.0	CIW 01SS	13.0	14.0	22.0	25.0	3/4"	15.0
11.0	14.0	CIW 01S	16.5	14.5	25.0	29.0	3/4"	15.0
14.0	18.0	CIW 01A	19.0	19.0	27.5	31.5	1"	15.0
18.0	20.0	CIW 03	23.5	20.0	31.5	36.0	1"	15.0
20.0	22.0	CIW 03A	23.5	22.0	31.5	36.0	28 mm	15.0
22.0	26.0	CIW 04A	27.0	26.0	36.0	41.5	1.1/4"	15.0
26.0	30.0	CIW 05A	31.0	31.0	41.0	47.0	1.1/2"	15.0
30.0	33.0	CIW 06	34.5	33.0	47.0	54.0	1.1/2"	15.0
33.0	36.0	CIW 07A	38.0	36.0	50.0	57.0	42"	15.0
37.0	41.0	CIW 08	42.5	44.0	56.0	64.0	2"	15.0
41.0	44.0	CIW 09	47.0	44.0	59.0	67.0	2"	15.0
44.0	52.0	CIW 010A	53.0	53.0	67.0	77.0	2.1/2"	20.0
52.0	56.0	CIW 011	62.0	56.0	80.0	92.0	2.1/2"	20.0
56.0	66.0	CIW 012	68.0	67.0	85.0	98.0	3"	20.0
66.0	74.0	CIW 013	80.0	74.5	99.0	113.0	3.1/4"	20.0
74.0	80.0	CIW 014	85.0	80.0	105.0	121.0	3.1/2"	20.0
80.0	90.0	CIW 015	97.0	90.5	114.0	132.0	4"	20.0
90.0	100.0	CIW 016	106.0	101.0	130.0	149.0	4.1/2"	20.0