

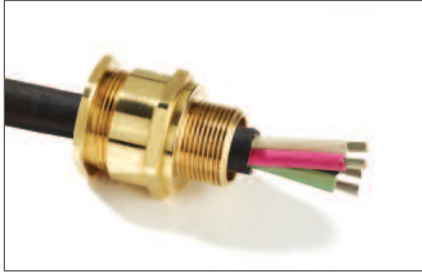


CABLE JOINTS, CABLE TERMINATIONS, CABLE GLANDS, CABLE CLEATS
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11KV 33KV CABLE JOINTS & CABLE TERMINATIONS
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CONNECTION SPECIALISTS

A2F CABLE GLAND



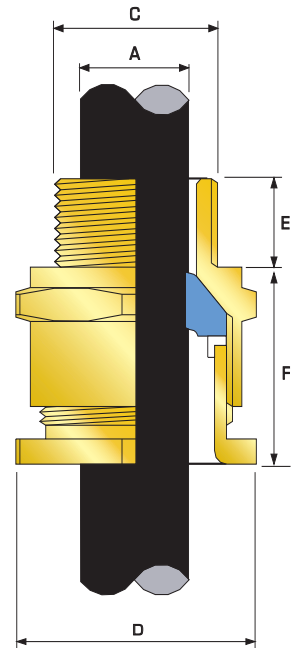
Type A2F Tri-Star Flameproof Ex d, Increased Safety Ex e and Restricted Breathing Ex nR Cable Gland

CMP Type A2F Tri-Star Triple Certified Flameproof (Type 'd'), Increased Safety (Type 'e') and Restricted Breathing (Type 'nR') indoor and outdoor cable gland for use in Zone 1, Zone 2, Zone 21 and Zone 22 hazardous areas with un-armoured and braided cable providing a combined flameproof seal and environmental seal on the cable outer sheath. This product provides full compatibility with restricted breathing equipment.

The CMP A2F Tri-Star Cable Gland is suitable for use with all forms of equipment protection permitted in Zone 1, Zone 2, Zone 21 & Zone 22 provided always that the prevailing code of practice for selection and installation is observed, e.g. IEC 60079-14.

TECHNICAL DATA

Type	A2F
Design Specification	BS 6121: Part 1: 1989, EN 50262:1999
ATEX Certification	SIRA06ATEX1097X
Code of Protection Category	ATEX II 2/3 GD Ex d IIC, Ex e II, Ex nR II, Ex tD A21 IP66, - Equipment Zone 1, Zone 2, Zone 21, & Zone 22 - Gas Groups IIA, IIB, IIC, ATEX IM2, Ex d I, Ex e I
Compliance Standards	EN 60079-0:2004, EN 60079-1:2004, EN 60079-7:2003, EN 60079-15:2003, EN 61241-0:2004 EN 61241-1:2004
IECEX Approval Number	IECEX SIR 06.0039X
Code of Protection Category	Ex d IIC, Ex e II, Ex nR II, Ex tD A21 IP66, Ex d I, Ex e I
Compliance Standards	IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2001, IEC 60079-15:2005, IEC 61241-0:2004, IEC 61241-1:2004
CSA Approval Certificate Number	1211841
CSA Code of Protection Category	Ex d IIC, Ex e II, Enclosure Type 4X, Class II Div 2 Groups EFG
CSA Compliance Standards	CSA C22.2 No. 174-M1984, CAN/CSA E79-0-95, CAN/CSA-C22.2 No. 0-M1991, CAN/CSA E79-1-95
INMETRO Approval Number	MC, AEX-7619-X
Code of Protection Category	BR - Ex d IIC / BR - Ex e II / IP66W
Compliance Standards	IEC 60079-0/00, IEC 60079-1/01, IEC 60079-7/2001, NBR/IEC 60529/2005
GOST R Certificate Number	POCC GB.Г Б05.Б01912
Code of Protection Category	Ex d IIC U / Ex e II U
Compliance Standards	ГОСТ P 52350.0-2005, ГОСТ P 52350.1-2005, ГОСТ P 52350.7-2005
GGTN Permit Number	PPC 00-18262
GOST K Certificate Number	KZ7500052.05.01.00063
RoK Permit for Use Number	08-067693
Lloyds Approval Number	01/00172
DNV Approval Number	E-6157
ABS Approval Number	01-LD 234401-PDA
Continuous Operating Temperature	-60° to +130°
Ingress Protection Rating	IP66, IP67, IP68
Deluge Protection Compliance	DTS01 : 91
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Aluminium, Stainless Steel
Seal Material	CMP SOLO LSF Thermoplastic Elastomer
Cable Type	Unarmoured & Braided
Sealing Technique	CMP Displacement Seal
Sealing Area(s)	Cable Outer Sheath
Optional Accessories	Locknut, Shroud, Entry Thread Seal, Serrated Washer, Earth Tag, Adaptor/Reducer



Cable Gland Selection Table

Cable Gland Size	Available Entry Threads 'C'			Minimum Thread Length 'E'	Overall Cable Diameter 'A'		Across Flats 'D'	Across Corners 'D'	Nominal Protrusion Length 'F'	Ordering Reference (Brass Metric) #	PVC Shroud Reference*	Cable Gland Weight (Kgs)
	Standard		Option		Min	Max						
	Metric	NPT	NPT				Max	Max				
20S/16	M20	1/2"	3/4"	15.0	3.2	8.7	24.0	26.6	21.0	20S16A2F1RA	PVC04	0.054
20S	M20	1/2"	3/4"	15.0	6.1	11.7	24.0	26.6	21.0	20SA2F1RA	PVC04	0.054
20	M20	1/2"	3/4"	15.0	6.5	14.0	27.0	31.0	24.0	20A2F1RA	PVC05	0.059
25	M25	3/4"	1"	15.0	11.1	20.0	36.0	39.0	26.0	25A2F1RA	PVC09	0.112
32	M32	1"	1-1/4"	15.0	17.0	26.3	41.0	45.0	27.0	32A2F1RA	PVC10	0.128
40	M40	1-1/4"	1-1/2"	15.0	23.5	32.2	50.0	53.5	28.0	40A2F1RA	PVC13	0.168
50S	M50	1-1/2"	2"	15.0	31.0	38.2	55.0	61.0	29.0	50SA2F1RA	PVC14	0.224
50	M50	2"	2-1/2"	15.0	35.6	44.1	60.0	66.0	30.0	50A2F1RA	PVC17	0.231
63S	M63	2"	2-1/2"	15.0	41.5	50.0	70.0	77.5	30.0	63SA2F1RA	PVC20	0.360
63	M63	2-1/2"	3"	15.0	47.2	56.0	75.0	84.0	30.0	63A2F1RA	PVC22	0.344
75S	M75	2-1/2"	3"	15.0	54.0	62.0	79.0	87.0	32.0	75SA2F1RA	PVC24	0.466
75	M75	3"	3-1/2"	15.0	61.1	68.0	84.0	94.0	32.0	75A2F1RA	PVC26	0.395
90	M90	3"	3-1/2"	15.0	66.6	80.0	108.0	120.0	44.0	90A2F1RA	PVC31	1.346
100	M100	4"	-	15.0	76.0	91.0	122.0	138.0	48.0	100A2F1RA	150/50HST	1.575
115	M115	-	-	15.0	86.0	98.0	138.0	148.0	55.0	115A2F1RA	180/60HST	2.322
130	M130	-	-	15.0	97.0	115.0	154.0	178.0	62.0	130A2F1RA	180/60HST	3.400

All dimensions in millimetres

Note: *LSF Shrouds also available on request. *Marine approvals including Lloyds DNV & ABS are also available from CMP Products.
Other thread forms are available.



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