

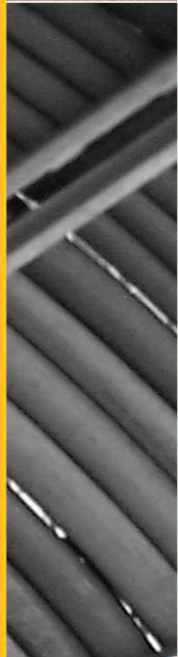


**Single Solution
Triple Certification**



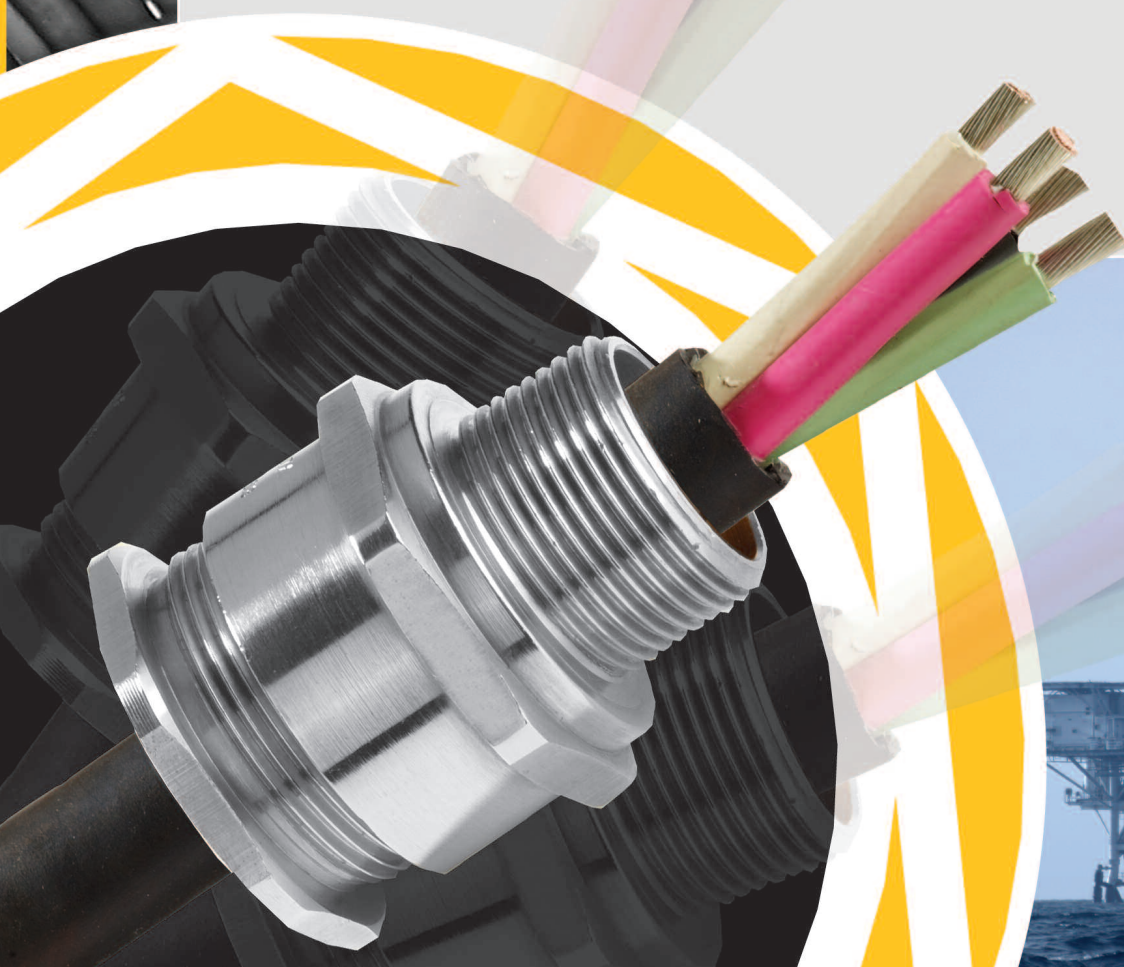
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CMP PRODUCTS

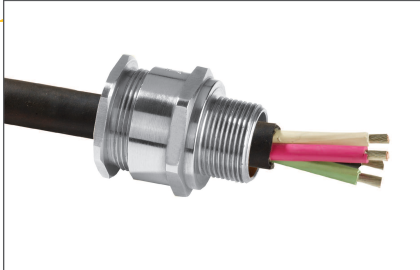


A2F

HAZARDOUS AREA CABLE CONNECTOR



A2F CABLE CONNECTOR



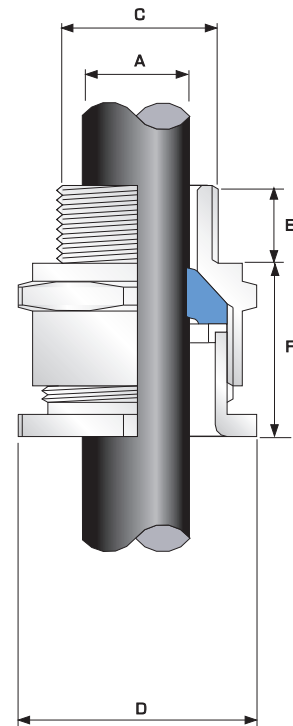
Type A2F Tri-Star Flameproof Ex d, Increased Safety Ex e and Restricted Breathing Ex nR Cable Connector

CMP Type A2F Tri-Star Triple Certified Flameproof (Type 'd'), Increased Safety (Type 'e') and Restricted Breathing (Type 'nR') indoor and outdoor cable connector for use in Zone 1, Zone 2, Zone 21 and Zone 22 hazardous areas with un-armored 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 Connector 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, SIRA07ATEX4326X
Code of Protection Category	ATEX II 2 GD, Ex d IIC, Ex e II, Ex tD A21 IP66, ATEX Ex II 3 G Ex nR II
Compliance Standards	EN 60079-0:2004, EN 60079-1:2004, EN 60079-7:2007, EN 60079-15:2003, IEC 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	CAN/CSA-C22.2 No. 0-M1991, CSA-C22.2 No. 0.4-04, CSA Std C22.2 No. 174-M1984, CAN/CSA-E60079-0:02-Part 0, CAN/CSA-E60079-1:02-Part 1
INMETRO Approval Number	MC-AEX-7619-X
Code of Protection Category	BR-Ex d IIC / BR-Ex e II
Compliance Standards	IEC 60079-0/00, IEC 60079-1/01, IEC 60079-7/2001, NBR/IEC 60529/2005
GOST R Certificate Number	POCC GB.ГБ05.В01912
Code of Protection Category	Ex d IIC U / Ex e II U
Compliance Standards	ГОСТ Р 52350.0-2005, ГОСТ Р 52350.1-2005, ГОСТ Р 52350.7-2005
GGTN Permit Number	PPC 00-18262
GOST K Certificate Number	KZ 7500052 01 01 00141
RoK Permit for Use Number	08-067693
Lloyds Approval Number	01/00172
DNV Approval Number	E-8119
ABS Approval Number	01-LD 234401A/1-PDA
Continuous Operating Temperature	-60° to +130°
Ingress Protection Rating	IP66, IP67, IP68
Deluge Protection Compliance	DTS01 : 91
Cable Connector Material	Brass with Nickel Plated Entry Component, Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminum
Seal Material	CMP SOLO LSF Thermoplastic Elastomer
Cable Type	Unarmored & Braided
Sealing Technique	CMP Displacement Seal
Sealing Area(s)	Cable Outer Sheath
Optional Accessories	Adapter/Reducer, Earth Tag, Locknut, Serrated Washer, Entry Thread Seal, Shroud



Cable Connector Selection Table

Cable Connector 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 (Metric)#	PVC Shroud Reference *	Cable Connector Weight (Ozs)
	Standard		Option										
	Metric	NPT	NPT	Metric	NPT	Min	Max	Max	Max				
20S/16	M20	1/2"	3/4"	15.0	19.9	3.2	8.7	24.0	26.6	21.0	20S16A2F1RA5	PVC04	1.90
20S	M20	1/2"	3/4"	15.0	19.9	6.1	11.7	24.0	26.6	21.0	20SA2F1RA5	PVC04	1.90
20	M20	1/2"	3/4"	15.0	19.9	6.5	14.0	27.0	31.0	24.0	20A2F1RA5	PVC05	2.08
25	M25	3/4"	1"	15.0	20.2	11.1	20.0	36.0	39.0	26.0	25A2F1RA5	PVC09	3.95
32	M32	1"	1-1/4"	15.0	25.0	17.0	26.3	41.0	45.0	27.0	32A2F1RA5	PVC10	4.52
40	M40	1-1/4"	1-1/2"	15.0	25.6	23.5	32.2	50.0	53.5	28.0	40A2F1RA5	PVC13	5.93
50S	M50	1-1/2"	2"	15.0	26.1	31.0	38.2	55.0	61.0	29.0	50SA2F1RA5	PVC14	7.90
50	M50	2"	2-1/2"	15.0	26.9	35.6	44.1	60.0	66.0	30.0	50A2F1RA5	PVC17	8.15
63S	M63	2"	2-1/2"	15.0	26.9	41.5	50.0	70.0	77.5	30.0	63SA2F1RA5	PVC20	12.69
63	M63	2-1/2"	3"	15.0	39.9	47.2	56.0	75.0	84.0	30.0	63A2F1RA5	PVC22	12.13
75S	M75	2-1/2"	3"	15.0	39.9	54.0	62.0	79.0	87.0	32.0	75SA2F1RA5	PVC24	16.44
75	M75	3"	3-1/2"	15.0	41.5	61.1	68.0	84.0	94.0	32.0	75A2F1RA5	PVC26	13.93
90	M90	3"	3-1/2"	15.0	41.5	66.6	80.0	108.0	120.0	44.0	90A2F1RA5	PVC31	47.48
100	M100	4"	-	15.0	44.0	76.0	91.0	122.0	138.0	48.0	100A2F1RA5	150/50HST	55.56
115	M115	4-1/2"	-	15.0	44.0	86.0	98.0	138.0	148.0	55.0	115A2F1RA5	180/60HST	81.91
130	M130	5"	-	15.0	44.0	97.0	115.0	154.0	178.0	62.0	130A2F1RA5	180/60HST	119.93

All dimensions in millimeters

Note: *CMP SOLO LSF Halogen Free Shrouds also available on request. Marine approvals including Lloyds, DNV & ABS are also available from CMP Products. Note: Sizes 100, 115 & 130 are certified to ATEX / IECEx only # Other thread forms are available. IECEx, ATEX & CSA hazardous area certification marking included as standard. ATEX Ex d & Ex e Group I mining certification is also available.