

# A2F Series Nickel Plated Brass Cable Glands

## Increased Safety and Flameproof

With Elastomer Seal for Unarmored and Exterior Braid Armor With Protective Sheath Cables.

**CEC:**  
Class I, Division 1 and 2, Groups B, C, D

**ATEX/IECEX:**  
II 2 GD  
Ex d ① ② IIC  
Ex e II  
Ex nR II  
Ex tD A21

**ATEX/IECEX:**  
Zone 1 and 2 – 21 and 22  
Gas Groups IIA, IIB and IIC  
Ex d ② I  
Ex e I

### ATEX/IECEX Certifications and Compliances

- Certification Type A2F
  - Gas: Zones 1 and 2
  - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
  - Dust: Zone 20
  - Type of Protection: Ex ta IIIC Da
- Conforming to ATEX 94/9/CE: II 2G 3G 1D
- Ambient Temperature: -60 °C to +130 °C (-76 °F to +266 °F)
- CE Declaration of Conformity: DC07001
- ATEX Certificate: Sira 13ATEX1068X, Sira 13ATEX4074X
- IECEx Certificate: IECEx SIR 13.0023X, IECEx SIM 14.0006
- Other Certifications: CSA, KCC, CCOE/PESO (India)
- Marine Approval: LLOYDS, DNV, ABS
- Index of Protection according EN/IEC 60529: IP66, IP67, IP68
- Deluge Protection Compliance: DTS01:91

### INMETRO Certification

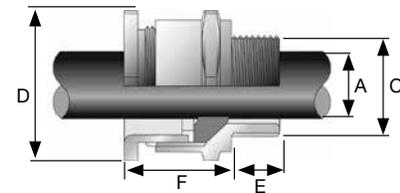
- INMETRO Certificate: TÜV 12.0619X

### EURASEC Certification

- TC RU C-GB.Г505.B.00138



Dimensions in Millimeters (Inches)



Cable Gland Size	Minimum Thread Length mm (in) E	Overall Cable Diameter mm (in) A		Across Flats mm (in) D	Across Corners mm (in) D	Nominal Protrusion Length mm (in) F	Optional PVC Shroud	Weight kg (oz)
		Min	Max					
20S/16	15.00 (0.59)	3.30 (0.13)	8.64 (0.34)	22.10 (0.87)	24.13 (0.95)	21.08 (0.83)	PVC04	0.05 (1.90)
20S	15.00 (0.59)	6.10 (0.24)	11.68 (0.46)	22.10 (0.87)	24.13 (0.95)	21.08 (0.83)	PVC04	0.06 (2.08)
20	15.00 (0.59)	6.60 (0.26)	13.97 (0.55)	26.92 (1.06)	29.72 (1.17)	23.88 (0.94)	PVC05	0.11 (3.95)
25	15.00 (0.59)	11.18 (0.44)	20.07 (0.79)	36.07 (1.42)	39.62 (1.56)	25.91 (1.02)	PVC09	0.13 (4.52)
32	15.00 (0.59)	17.02 (0.67)	26.42 (1.04)	40.89 (1.61)	45.21 (1.78)	26.92 (1.06)	PVC10	0.17 (5.93)
40	15.00 (0.59)	23.62 (0.93)	32.26 (1.27)	45.97 (1.81)	50.55 (1.99)	27.94 (1.10)	PVC13	0.22 (7.90)
50S	15.00 (0.59)	30.99 (1.22)	38.10 (1.50)	55.12 (2.17)	60.45 (2.38)	28.96 (1.14)	PVC14	0.23 (8.15)
50	15.00 (0.59)	35.56 (1.40)	44.20 (1.74)	59.94 (2.36)	66.04 (2.60)	29.97 (1.18)	PVC17	0.36 (12.7)
63S	15.00 (0.59)	41.40 (1.63)	50.04 (1.97)	65.02 (2.56)	71.37 (2.81)	29.97 (1.18)	PVC20	0.34 (12.13)
63	15.00 (0.59)	47.24 (1.86)	55.88 (2.20)	70.10 (2.76)	76.96 (3.03)	29.97 (1.18)	PVC22	0.47 (16.44)
75S	15.00 (0.59)	54.10 (2.13)	61.98 (2.44)	80.01 (3.15)	88.65 (3.49)	32.00 (1.26)	PVC24	0.40 (13.93)
75	15.00 (0.59)	61.21 (2.41)	68.07 (2.68)	84.07 (3.31)	92.46 (3.64)	32.00 (1.26)	PVC26	1.35 (47.48)
90	24.00 (0.94)	66.55 (2.62)	80.01 (3.15)	107.95 (4.25)	120.65 (4.75)	43.94 (1.73)	PVC31	1.58 (55.56)
100	24.00 (0.94)	75.95 (2.99)	90.93 (3.58)	114.30 (4.5)	128.52 (5.06)	48.01 (1.89)	LSF32	2.32 (81.91)
115	24.00 (0.94)	86.11 (3.39)	98.04 (3.86)	131.57 (5.18)	146.05 (5.75)	55.12 (2.17)	LSF34	3.40 (119.93)
130	24.00 (0.94)	97.03 (3.82)	115.06 (4.53)	152.40 (6.00)	167.64 (6.60)	61.98 (2.44)	LSF35	2.44 (86.07)

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

② Applies to unarmored cable only.

# E1FW Nickel Plated Brass Cable Glands

## Increased Safety and Flameproof

With Elastomer Seal for Armored Cables.

NEC/CEC:  
Class I, Division 2, Groups A, B, C, D

ATEX/IECEX:  
Class 1, Zone 1 and 2 – 21 and 22  
II 2 GD  
IP66

### ATEX/IECEX Certifications and Compliances

- Certification Type E1FX/Z - E2FX/Z
  - Gas: Zones 1 and 2
  - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
  - Dust: Zone 20
  - Type of Protection: Ex ta IIC Da
- Conforming to ATEX 94/9/CE: II 2G 3G 1D
- Ambient Temperature: -60 °C to +130 °C (-76 °F to +266 °F)
- CE Declaration of Conformity: DC07001
- ATEX Certificate: Sira 13ATEX1071X, Sira 13ATEX4077X
- IECEx Certificate: IECEx SIR 13.0026X, IECEx SIM 14.0007X
- Other Certifications: KCC, CCOE/PESO (India)
- Marine Approval: LLOYDS, DNV, ABS
- Index of Protection according EN/IEC 60529: IP66
- Deluge Protection Compliance: DTS01:91 (option available on request only)

### INMETRO Certification

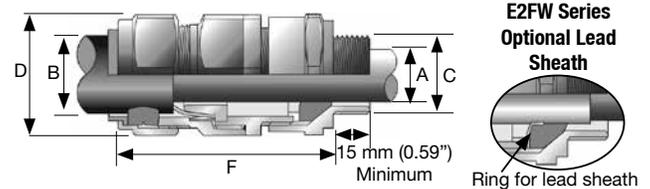
- INMETRO Certificate: TUV 12.0618X

### EURASEC Certification

- TC RU C-GB.Г505.В.00138



Dimensions in Millimeters (Inches)



Cable Gland Size	Cable Bedding Diameter mm (in) A		Outer Cable Capacity mm (in) B		Across Corners mm (in) D	Across Flats mm (in) D	Nominal Protrusion Length mm (in) F	Optional PVC Shroud	Weight kg (oz)
	Min	Max	Min	Max					
20S16	3.1 (0.12)	8.6 (0.34)	6.1 (0.24)	13.2 (0.52)	26.4 (1.04)	24.0 (0.94)	58.5 (2.30)	PVC04	0.16 (5.64)
20S	6.1 (0.24)	11.6 (0.46)	9.5 (0.37)	15.9 (0.63)	26.4 (1.04)	24.0 (0.94)	58.5 (2.30)	PVC04	0.16 (5.64)
20	6.5 (0.26)	13.9 (0.55)	12.5 (0.49)	20.9 (0.82)	33.6 (1.32)	30.5 (1.20)	60.5 (2.38)	PVC06	0.21 (7.41)
25S	11.1 (0.44)	19.9 (0.78)	14.0 (0.55)	22.0 (0.87)	41.3 (1.63)	37.5 (1.48)	67.5 (2.66)	PVC09	0.33 (11.64)
25	11.1 (0.44)	19.9 (0.78)	18.2 (0.72)	26.2 (1.03)	41.3 (1.63)	37.5 (1.48)	67.5 (2.66)	PVC09	0.33 (11.64)
32	17.0 (0.67)	26.2 (1.03)	23.7 (0.93)	33.9 (1.33)	50.6 (1.99)	46.0 (1.81)	69.5 (2.74)	PVC11	0.45 (15.87)
40	22.0 (0.87)	32.1 (1.26)	27.9 (1.10)	40.4 (1.59)	60.5 (2.38)	55.0 (2.17)	78.0 (3.07)	PVC15	0.66 (23.28)
50S	29.5 (1.16)	38.1 (1.50)	35.2 (1.39)	46.7 (1.84)	66.0 (2.60)	60.0 (2.36)	75.5 (2.97)	PVC18	0.73 (25.75)
50	35.6 (1.40)	44.0 (1.73)	40.4 (1.59)	53.1 (2.09)	77.0 (3.03)	70.0 (2.76)	80.5 (3.17)	PVC21	0.75 (26.45)
63S	40.1 (1.58)	49.9 (1.96)	45.6 (1.80)	59.4 (2.34)	82.5 (3.25)	75.0 (2.95)	91.5 (3.60)	PVC23	1.34 (47.27)
63	47.2 (1.86)	55.9 (2.20)	54.6 (2.15)	65.9 (2.59)	88.0 (3.46)	80.0 (3.15)	92.0 (3.62)	PVC25	1.44 (50.44)
75S	52.8 (2.08)	61.9 (2.44)	59.0 (2.32)	72.1 (2.84)	97.9 (3.85)	89.0 (3.50)	99.0 (3.90)	PVC28	2.07 (73.02)
75	59.1 (2.33)	67.9 (2.67)	66.7 (2.63)	78.5 (3.09)	108.9 (4.29)	99.0 (3.90)	102.0 (4.02)	PVC30	2.62 (92.42)
90	66.6 (2.62)	79.9 (3.15)	76.2 (3.00)	90.4 (3.56)	125.4 (4.94)	114.0 (4.49)	120.0 (4.72)	PVC32	4.17 (147.09)
100	76.0 (2.99)	90.9 (3.58)	86.1 (3.39)	101.5 (4.00)	135.3 (5.33)	123.0 (4.84)	148.0 (5.83)	LSF33	4.52 (159.44)
115	86.0 (3.39)	97.9 (3.85)	101.5 (4.00)	110.3 (4.34)	146.7 (5.78)	133.4 (5.25)	169.0 (6.65)	LSF34	6.86 (241.98)
130	97.0 (3.82)	114.9 (4.52)	114.2 (4.50)	123.3 (4.85)	160.7 (6.33)	146.1 (5.75)	183.0 (7.20)	LSF35	8.12 (286.42)

# E1FX Series Nickel Plated Brass Cable Gland

## Increased Safety and Flameproof

For Armored Cables.

**NEC/CEC:**  
Class I, Division 2, Groups A, B, C, D

**ATEX/IECEX:**  
Zone 1 and 2 – 21 and 22  
II 2 GD  
IP66

### ATEX/IECEX Certifications and Compliances

- Certification Type E1FX/Z - E2FX/Z
  - Gas: Zones 1 and 2
  - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
  - Dust: Zone 20
  - Type of Protection: Ex ta IIC Da
- Conforming to ATEX 94/9/CE: II 2G 3G 1D
- Ambient Temperature: -60 °C to +130 °C (-76 °F to +266 °F)
- CE Declaration of Conformity: DC07001
- ATEX Certificate: Sira 13ATEX1071X, Sira 13ATEX4077X
- IECEX Certificate: IECEX SIR 13.0026X, IECEX SIM 14.0007X
- Other Certifications: KCC, CCOE/PESO (India)
- Marine Approval: LLOYDS, DNV, ABS
- Index of Protection according EN/IEC 60529: IP66
- Deluge Protection Compliance: DTS01:91 (option available on request only)

### INMETRO Certification

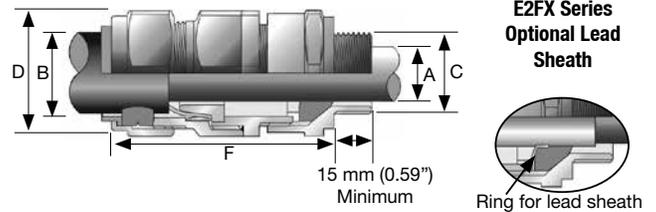
- INMETRO Certificate: TUV 12.0618X

### EURASEC Certification

- TC RU C-GB.Г505.B.00138



### Dimensions in Millimeters (Inches)



Cable Gland Size	Cable Bedding Diameter mm (in) A		Overall Cable Diameter mm (in) B		Across Corners mm (in) D	Across Flats mm (in) D	Nominal Protrusion Length mm (in) F	Optional PVC Shroud	Weight kg (oz)
	Min	Max	Min	Max					
20S16	3.1 (0.12)	8.6 (0.34)	6.1 (0.24)	13.2 (0.52)	26.4 (1.04)	24.0 (0.94)	58.5 (2.30)	PVC04	0.16 (5.64)
20S	6.1 (0.24)	11.6 (0.46)	9.5 (0.37)	15.9 (0.63)	26.4 (1.04)	24.0 (0.94)	58.5 (2.30)	PVC04	0.16 (5.64)
20	6.5 (0.26)	13.9 (0.55)	12.5 (0.49)	20.9 (0.82)	33.6 (1.32)	30.5 (1.20)	60.5 (2.38)	PVC06	0.21 (7.41)
25S	11.1 (0.44)	19.9 (0.78)	14.0 (0.55)	22.0 (0.87)	41.3 (1.63)	37.5 (1.48)	67.5 (2.66)	PVC09	0.33 (11.64)
25	11.1 (0.44)	19.9 (0.78)	18.2 (0.72)	26.2 (1.03)	41.3 (1.63)	37.5 (1.48)	67.5 (2.66)	PVC09	0.33 (11.64)
32	17.0 (0.67)	26.2 (1.03)	23.7 (0.93)	33.9 (1.33)	50.6 (1.99)	46.0 (1.81)	69.5 (2.74)	PVC11	0.46 (16.23)
40	22.0 (0.87)	32.1 (1.26)	27.9 (1.10)	40.4 (1.59)	60.5 (2.38)	55.0 (2.17)	78.0 (3.07)	PVC15	0.67 (23.63)
50S	29.5 (1.16)	38.1 (1.50)	35.2 (1.39)	46.7 (1.84)	66.0 (2.60)	60.0 (2.36)	75.5 (2.97)	PVC18	0.76 (26.81)
50	35.6 (1.40)	44.0 (1.73)	40.4 (1.59)	53.1 (2.09)	77.0 (3.03)	70.0 (2.76)	80.5 (3.17)	PVC21	0.78 (27.51)
63S	40.1 (1.58)	49.9 (1.96)	45.6 (1.80)	59.4 (2.34)	82.5 (3.25)	75.0 (2.95)	91.5 (3.60)	PVC23	1.37 (48.33)
63	47.2 (1.86)	55.9 (2.20)	54.6 (2.15)	65.9 (2.59)	88.0 (3.46)	80.0 (3.15)	92.0 (3.62)	PVC25	1.47 (51.85)
75S	52.8 (2.08)	61.9 (2.44)	59.0 (2.32)	72.1 (2.84)	97.9 (3.85)	89.0 (3.50)	99.0 (3.90)	PVC28	2.12 (74.78)
75	59.1 (2.33)	67.9 (2.67)	66.7 (2.63)	78.5 (3.09)	108.9 (4.29)	99.0 (3.90)	102.0 (4.02)	PVC30	2.69 (94.89)
90	66.6 (2.62)	79.9 (3.15)	76.2 (3.00)	90.4 (3.56)	125.4 (4.94)	114.0 (4.49)	120.0 (4.72)	PVC32	4.28 (150.97)
100	76.0 (2.99)	90.9 (3.58)	86.1 (3.39)	101.5 (4.00)	135.3 (5.33)	123.0 (4.84)	148.0 (5.83)	LSF33	4.67 (164.73)
115	86.0 (3.39)	97.9 (3.85)	101.5 (4.00)	110.3 (4.34)	146.7 (5.78)	133.4 (5.25)	169.0 (6.65)	LSF34	7.09 (250.09)
130	97.0 (3.82)	114.9 (4.52)	114.2 (4.5)	123.3 (4.85)	160.7 (6.33)	146.1 (5.75)	183.0 (7.20)	LSF35	8.38 (295.6)

Appleton

HAZARDOUS LOCATION FITTINGS: ATEX/IECEX FLAMEPROOF CABLE GLANDS

# A2FRC Series Nickel Plated Brass Cable Glands

## Increased Safety and Flameproof

With Elastomer Seal for Unarmored Cables. For Conduit Connection ①

**CEC:**  
Ex d IIC  
Ex e II  
Ex nR II  
Type 4x

**ATEX/IECEX:**  
Ex d IIC  
Ex e IIC Gb  
Ex nR IIC Gc  
Ex ta IIc Da

### ATEX/IECEX Certifications and Compliances

- Certification Type A2F
  - Gas: Zones 1 and 2
    - Type of Protection: Ex d IIC, Ex e II, Ex nR II
  - Dust: Zones 21 and 22
    - Type of Protection: Ex tD A21
- Conforming to ATEX 94/9/CE: Ⓢ II 2 GD
- Ambient Temperature: -60 °C to +130 °C (-76 °F to +266 °F)
- CE Declaration of Conformity: DC07001
- ATEX Certificate: SIRA 1 3ATEX1 068X, SIRA 1 3ATEX4074X
- IECEX Certificate: IECEX SIR 1 3.0023X
- Other Certifications: LLOYDS, DNV, ABS
- Ingress Protection (solid and liquid): IP66, IP67, IP68
- EN/IEC Standards: 60079-0; 60079-1; 60079-7; 60079-15

### INMETRO Certification

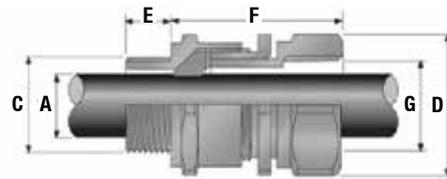
- INMETRO Certificate: TÜV 12.0878X

### EURASEC Certification

- TC RU C-GB.Г505.B.00138



Dimensions in Millimeters (Inches)



Cable Gland Size	Standard Female Connection Thread G	Minimum Thread Length mm (in) E	Overall Cable Diameter mm (in) A		Across Corners mm (in) D	Across Flats mm (in) D	Nominal Protrusion Length mm (in) F	Optional PVC Shroud	Weight kg (oz)
			Min	Max					
20S16	1/2	15.0 (0.59)	3.2 (0.13)	8.7 (0.34)	26.4 (1.04)	24.0 (0.94)	37.0 (1.46)	PVC04	0.11 (3.88)
20S	1/2	15.0 (0.59)	6.1 (0.24)	11.7 (0.46)	26.4 (1.04)	24.0 (0.94)	37.0 (1.46)	PVC04	0.11 (3.88)
20	1/2	15.0 (0.59)	6.5 (0.26)	14.0 (0.55)	29.7 (1.17)	27.0 (1.06)	37.0 (1.46)	PVC05	0.11 (3.88)
25	3/4	15.0 (0.59)	11.1 (0.44)	20.0 (0.79)	39.6 (1.56)	36.0 (1.42)	39.0 (1.54)	PVC09	0.20 (7.05)
32	1	15.0 (0.59)	17.0 (0.67)	26.3 (1.04)	39.6 (1.56)	36.0 (1.42)	41.0 (1.61)	PVC10	0.24 (8.47)
40	1-1/4	15.0 (0.59)	23.5 (0.93)	32.2 (1.27)	50.6 (1.99)	46.0 (1.81)	42.0 (1.65)	PVC13	0.33 (11.64)
50S	1-1/2	15.0 (0.59)	31.0 (1.22)	38.2 (1.50)	55.0 (2.17)	50.0 (1.97)	48.0 (1.89)	PVC15	0.43 (15.17)
50	2	15.0 (0.59)	35.6 (1.40)	44.1 (1.74)	71.5 (2.81)	65.0 (2.56)	51.0 (2.01)	PVC18	0.44 (15.52)
63S	2	15.0 (0.59)	41.5 (1.63)	50.0 (1.97)	71.5 (2.81)	65.0 (2.56)	50.0 (1.97)	PVC21	0.72 (25.40)
63	2-1/2	15.0 (0.59)	47.2 (1.86)	56.0 (2.20)	88.0 (3.46)	80.0 (3.15)	50.0 (1.97)	PVC23	0.64 (22.58)
75S	2-1/2	15.0 (0.59)	54.0 (2.13)	62.0 (2.44)	88.0 (3.46)	80.0 (3.15)	60.0 (2.36)	PVC26	0.96 (33.86)
75	3	15.0 (0.59)	61.1 (2.41)	68.0 (2.68)	110.0 (4.33)	100.0 (3.94)	60.0 (2.36)	PVC26	0.86 (30.34)
90	3	24.0 (0.94)	66.6 (2.62)	80.0 (3.15)	110.0 (4.33)	100.0 (3.94)	79.0 (3.11)	PVC31	2.25 (79.37)
100	4	24.0 (0.94)	76.0 (2.99)	91.0 (3.58)	135.3 (5.33)	123.0 (4.84)	110.0 (4.33)	—	3.86 (136.16)
115	4	24.0 (0.94)	86.0 (3.39)	98.0 (3.86)	146.4 (5.76)	133.0 (5.24)	110.0 (4.33)	—	4.50 (158.73)
130	5	24.0 (0.94)	97.0 (3.82)	115.0 (4.53)	165.0 (6.50)	152.0 (5.98)	120.0 (4.72)	—	4.77 (168.26)

① The A2FRC Cable Gland is suitable for use with all forms of equipment protection permitted in Zone 1, Zone 2, Zone 21 and Zone 22 provided always that the prevailing code of practice for selection and installation is observed, e.g. IEC 60079-14.