

# T3 Series Nickel Plated Brass Cable Glands

Increased Safety and Flameproof. Ex d ①.

With Elastomer Seal for Armored Cables.

**NEC/CEC:**  
 Class I, Division 2, Groups A, B, C, D  
 Class II, Division 2, Groups E, F, G  
 Class III  
 NEMA 3, 4, 4X

**NEC/CEC:**  
 Class I, Zone I, AEx e II / Ex d IIC  
 Class I, Zone 2, AEx e II / Ex e II  
 IP66, IP67 ①, IP68 ①

**ATEX/IECEX:**  
 Zone 1 and 2 – 21 and 22  
 ② II 2 GD  
 IP66 / 68 (10 m)

## ATEX/IECEX Certifications and Compliances

- Certification Type T3CDS
  - 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: ② II 2G 3G 1D
- Ambient Temperature: -60 °C to +130 °C (-76 °F to +266 °F)
- CE Declaration of Conformity: DC07001
- ATEX Certificate: Sira 13ATEX1073X, Sira 13ATEX4079X
- IECEX Certificate: IECEX SIR 13.0028X, IECEX SIM 14.0007X
- Other Certifications: cCSAus, UL, 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

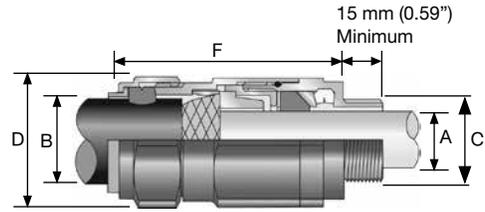
- INMETRO Certificate: TÜV 11.0374X

## 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	3.2 (0.13)	8.7 (0.34)	6.1 (0.24)	13.2 (0.52)	26.4 (1.04)	24.0 (0.94)	70.0 (2.76)	PVC36	0.17 (6.00)
20S	6.1 (0.24)	11.7 (0.46)	9.5 (0.37)	15.9 (0.63)	26.4 (1.04)	24.0 (0.94)	70.0 (2.76)	PVC36	0.17 (6.00)
20	6.5 (0.26)	14.0 (0.55)	12.5 (0.49)	20.9 (0.82)	33.6 (1.32)	30.5 (1.20)	72.0 (2.83)	PVC06	0.26 (9.03)
25S	11.0 (0.43)	20.0 (0.79)	14.0 (0.55)	22.0 (0.87)	41.3 (1.63)	37.5 (1.48)	82.0 (3.23)	PVC09	0.38 (13.55)
25	11.0 (0.43)	20.0 (0.79)	18.2 (0.72)	26.2 (1.03)	41.3 (1.63)	37.5 (1.48)	82.0 (3.23)	PVC09	0.38 (13.37)
32	17.0 (0.67)	26.3 (1.04)	23.7 (0.93)	33.9 (1.33)	50.6 (1.99)	46.0 (1.81)	85.0 (3.35)	PVC11	0.56 (19.75)
40	22.0 (0.87)	32.2 (1.27)	27.9 (1.10)	40.4 (1.59)	60.5 (2.38)	55.0 (2.17)	86.0 (3.39)	PVC15	0.85 (29.91)
50S	29.5 (1.16)	38.2 (1.50)	35.2 (1.39)	46.7 (1.84)	66.0 (2.60)	60.0 (2.36)	98.0 (3.86)	PVC18	1.06 (37.21)
50	35.6 (1.40)	44.1 (1.74)	40.4 (1.59)	53.1 (2.09)	77.0 (3.03)	70.0 (2.76)	100.0 (3.94)	PVC21	1.52 (53.65)
63S	40.1 (1.58)	50.0 (1.97)	45.6 (1.80)	59.4 (2.34)	82.5 (3.25)	75.0 (2.95)	108.0 (4.25)	PVC23	1.75 (61.73)
63	47.2 (1.86)	56.0 (2.20)	54.6 (2.15)	65.9 (2.59)	88.0 (3.46)	80.0 (3.15)	103.0 (4.06)	PVC25	1.69 (59.44)
75S	52.8 (2.08)	62.0 (2.44)	59.0 (2.32)	72.1 (2.84)	97.9 (3.85)	89.0 (3.50)	105.0 (4.13)	PVC28	2.35 (82.72)
75	59.1 (2.33)	68.0 (2.68)	66.7 (2.63)	78.5 (3.09)	108.9 (4.29)	99.0 (3.90)	114.0 (4.49)	PVC30	3.2 (112.88)
90	66.6 (2.62)	80.0 (3.15)	76.2 (3.00)	90.4 (3.56)	125.4 (4.94)	114.0 (4.49)	140.0 (5.51)	PVC32	5.1 (179.90)
100	76.6 (3.02)	91.0 (3.58)	86.1 (3.39)	101.5 (4.00)	135.3 (5.33)	123.0 (4.84)	170.0 (6.69)	LSF33	6.5 (229.28)
115	86.0 (3.39)	98.0 (3.86)	101.5 (4.00)	110.3 (4.34)	146.1 (5.75)	133.4 (5.25)	210.0 (8.27)	LSF34	7.0 (246.92)
130	97.0 (3.82)	115.0 (4.53)	114.2 (4.50)	123.3 (4.85)	160.7 (6.33)	146.1 (5.75)	250.0 (9.84)	LSF35	7.8 (275.14)

① The T3 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.

# PX2K Series Nickel Plated Brass Cable Glands

## Increased Safety and Flameproof

(Braids, Tape and Wire with Lead Sheath Version) with Compound Barrier Seal.

**NEC/CEC (Braid-Armor Cable, Armored Jacketed Marine Shipboard Cable):**  
 Class I, Division 1 and 2, Groups A, B, C, D  
 Class II, Division 1 and 2, Groups E, F, G  
 Class III  
**NEMA 4X**

**ATEX/IECEx:**  
 Zone 1 and 2 – 21 and 22  
 Ⓢ II 2 GD  
 IP66/68 (10 m)

### ATEX/IECEx Certifications and Compliances

- Certification Type PX2K
  - 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 +85 °C (-76 °F to +185 °F)
- CE Declaration of Conformity: DC07001
- ATEX Certificate: Sira 13ATEX1072X, Sira 13ATEX4078X
- IECEx Certificate: IECEx SIR 13.0027X, IECEx SIM 14.0008X
- Other Certifications: cCSAus, UL, 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

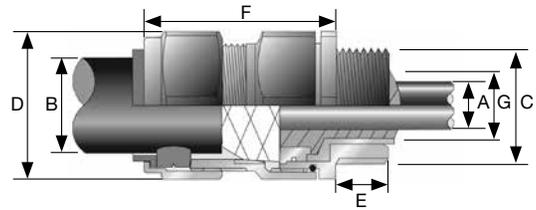
- INMETRO Certificate: TUV 12.2073X

### EURASEC Certification

- TC RU C-GB.Г505.В.00138



Dimensions in Millimeters (Inches)



Cable Gland Size	Maximum Diameter Over Conductors mm (in) A	Maximum Number of Cores mm (in)	Overall Cable Diameter mm (in) B		Across Flats mm (in) D	Across Corners mm (in) D	Protrusion Length mm (in) F	Optional PVC Shroud	Weight kg (oz)
			Min	Max					
20S16	12.6 (0.50)	11.0 (0.43)	6.1 (0.24)	11.5 (0.45)	30.5 (1.20)	33.6 (1.32)	58.5 (2.30)	PVC06	0.20 (7.05)
20S	12.6 (0.50)	11.0 (0.43)	9.5 (0.37)	15.9 (0.63)	30.5 (1.20)	33.6 (1.32)	58.5 (2.30)	PVC06	0.20 (7.05)
20	12.6 (0.50)	11.0 (0.43)	12.5 (0.49)	20.9 (0.82)	30.5 (1.20)	33.6 (1.32)	60.5 (2.38)	PVC06	0.23 (8.11)
25S	17.5 (0.69)	11.0 (0.43)	14.0 (0.55)	22.0 (0.87)	37.5 (1.48)	41.3 (1.63)	67.5 (2.66)	PVC09	0.33 (11.64)
25	17.5 (0.69)	21.0 (0.83)	18.2 (0.72)	26.2 (1.03)	37.5 (1.48)	41.3 (1.63)	67.5 (2.66)	PVC09	0.33 (11.64)
32	23.6 (0.93)	38.0 (1.50)	23.7 (0.93)	33.9 (1.33)	46.0 (1.81)	50.6 (1.99)	69.5 (2.74)	PVC11	0.51 (17.99)
40	30.0 (1.18)	38.0 (1.50)	27.9 (1.10)	40.4 (1.59)	55.0 (2.17)	60.5 (2.38)	78.0 (3.07)	PVC15	0.72 (25.40)
50S	36.6 (1.44)	59.0 (2.32)	35.2 (1.39)	46.7 (1.84)	60.0 (2.36)	66.0 (2.60)	75.5 (2.97)	PVC18	0.83 (29.10)
50	41.0 (1.61)	89.0 (3.50)	40.4 (1.59)	53.1 (2.09)	70.0 (2.76)	77.0 (3.03)	80.5 (3.17)	PVC21	0.86 (30.34)
63S	47.9 (1.89)	89.0 (3.50)	45.6 (1.80)	59.4 (2.34)	75.0 (2.95)	82.5 (3.25)	91.5 (3.6)	PVC23	1.45 (51.15)
63	53.7 (2.11)	115.0 (4.53)	54.6 (2.15)	65.9 (2.59)	80.0 (3.15)	88.0 (3.46)	92.0 (3.62)	PVC25	1.60 (56.44)
75S	59.8 (2.35)	115.0 (4.53)	59.0 (2.32)	72.1 (2.84)	89.0 (3.50)	97.9 (3.85)	99.0 (3.90)	PVC28	2.30 (81.13)
75	64.3 (2.53)	140.0 (5.51)	66.7 (2.63)	78.5 (3.09)	99.0 (3.90)	108.9 (4.29)	102.0 (4.02)	PVC30	3.05 (107.59)
90	75.3 (2.96)	140.0 (5.51)	76.2 (3.00)	90.4 (3.56)	114.0 (4.49)	125.4 (4.94)	120.0 (4.72)	PVC32	5.00 (176.37)
100	86.1 (3.39)	200.0 (7.87)	86.1 (3.39)	101.5 (4.00)	133.0 (5.24)	146.3 (5.76)	135.0 (5.31)	LSF33	6.00 (211.64)

HAZARDOUS LOCATION FITTINGS: NEC/CEC EXPLOSIONPROOF AND ATEX/IECEx FLAMEPROOF CABLE GLANDS



# 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

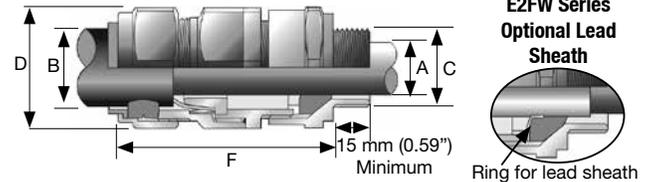
- INMETRO Certificate: TUV 12.0618X

### EURASEC Certification

- TC RU C-GB.Г505.В.00138



Dimensions in Millimeters (Inches)



Appleton

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)

HAZARDOUS LOCATION FITTINGS: ATEX/IECEX FLAMEPROOF CABLE GLANDS

# 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

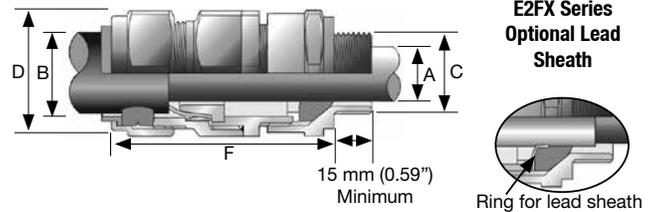
- INMETRO Certificate: TUV 12.0618X

### 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