

# Cable Glands

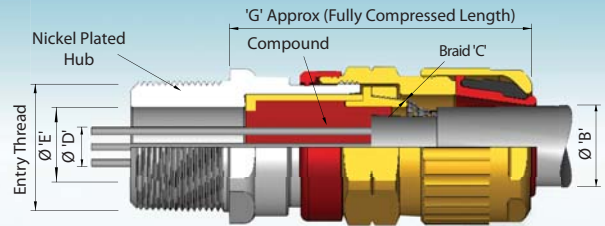
## North American Cable Glands/Connectors

Explosion Proof  
IECEX and ATEX Approved Flameproof Exd,  
Increased Safety Exe and Restricted Breathing ExnR  
(Note: Dual Marked UL & ATEX as standard).

# 753

### Application

- Outdoor or indoor use.
- For use with braid armoured marine shipboard jacketed or non-jacketed cable.
- See technical section for installation rules and regulations.



CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Cable Acceptance Details						Hexagon Dimensions		
	NPT Standard or Option	Metric *	Inner Jacket / Cores			Outer Jacket 'B'		Braid 'C'	'G'	Across Flats	Across Corners
			Max. Over Cores 'D'	Max Inner Jacket 'E'	Max. No. of Cores	Min.	Max.				
Os	1/2"	M20 <sup>2</sup>	0.35"	0.46"	6	0.22"	0.47"	0.008" / 0.013"	2.61"	0.94"	1.09"
O	1/2"	M20 <sup>2</sup>	0.35"	0.46"	6	0.37"	0.63"	0.008" / 0.013"	2.61"	0.94"	1.09"
A	1/2" or 3/4"	M20	0.43"	0.49"	10	0.49"	0.81"	0.008" / 0.013"	2.65"	1.18"	1.36"
B	3/4" or 1"	M25	0.64"	0.72"	21	0.66"	1.02"	0.008" / 0.013"	2.75"	1.42"	1.64"
C	1" or 1 1/4"	M32	0.86"	0.97"	42	0.87"	1.30"	0.008" / 0.013"	2.93"	1.81"	2.09"
C2	1 1/4" or 1 1/2"	M40	1.04"	1.16"	60	1.10"	1.61"	0.008" / 0.013"	3.15"	2.17"	2.50"
D	2" or 1 1/2"	M50	1.46"	1.64"	80	1.42"	2.07"	0.008" / 0.013"	3.14"	2.56"	2.96"
E	2 1/2" or 2"	M63	1.88"	2.11"	100	1.81"	2.57"	0.008" / 0.013"	3.42"	3.15"	3.64"
F	3" or 2 1/2"	M75	2.32"	2.61 / 2.57" <sup>1</sup>	120	2.24"	3.07"	0.008" / 0.013"	3.61"	3.74"	4.31"
H <sup>3</sup>	3 1/2"	M90	2.79"	3.05"	120	3.07"	3.52"	0.008" / 0.013"	3.54"	4.18"	4.84"

All dimensions in inches (except \* where dimensions are in millimetres). Os - F size metric entry threads are 1.5mm pitch as standard, 15mm length of thread. For H size glands, a 2mm pitch is supplied as standard, 20mm length of thread (1.5mm pitch with 15mm length of thread can be supplied) please specify when ordering

<sup>1</sup> Smaller value is applicable when selecting standard NPT entry option.

<sup>2</sup> Sizes Os and O are available with an M16 thread size. For O size with M16 thread, the maximum cable inner jacket diameter is 0.43"

<sup>3</sup> UL approved only.

### Technical Data

- UL Listing No: E84941.
- Suitable for use in:
  - Class 1, Division 1, Gas Groups A, B, C and D
  - Class 1, Zone 2, Gas Groups IIA, IIB and IIC
  - AExd IIC and AExe II Class 1, Zone 2.
- Flameproof Exd, Increased Safety Exe II 2 GD and Restricted Breathing ExnR II 3G.
- Certificate No's: Sira 06ATEX1295X and IECEX SIR 06.0082X.
- Suitable for use in Zone 1, Zone 2, Zone 21, Zone 22 and in Gas Groups IIA, IIB and IIC.
- Construction and Test Standards: UL 2225, IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7, IEC/EN 60079-15, IEC/EN 61241-0 and IEC/EN 61241-1.
- Ingress Protection: IP66, IP67 and IP 68 (30 metres for 7 days) to IEC/EN 60529 and NEMA 4X.
- Deluge Protection to DTS01.
- Operating Temperature Range: -50°C to +60°C (UL) and -60°C to +80°C (ATEX / IECEX).
- Assembly Instruction Sheet: AI 318/339 (UL) and AI 373 (ATEX / IECEX).
- Alternative certification options available:

DNV Marine Approval ABS Marine Approval

GOST R-Exe IIU

### Features

- Provides a barrier seal between the individual insulated conductors within the cable and prevents entry of the products of an explosion into the cable.
- Assembly of the cable gland compresses and distributes the compound evenly to effect a barrier seal at the point of entry into the enclosure.
- Provides an outer deluge seal to prevent moisture ingress to the cable armour and enclosure. Deluge seal is coloured red to indicate Hazardous Location product.
- Provides a cable retention and low smoke and fume, zero halogen seal onto the cables outer jacket.
- Manufactured in Brass (standard), Nickel Plated Brass, 316 Stainless Steel or Aluminium.
- Brass NPT entries are nickel plated as standard.

### Ordering Information

Format for ordering is as follows:

Cable Gland / Connector Type	Size	Thread
753	C	1" NPT

Two part sealing compound and assembly instructions are supplied with the cable gland.