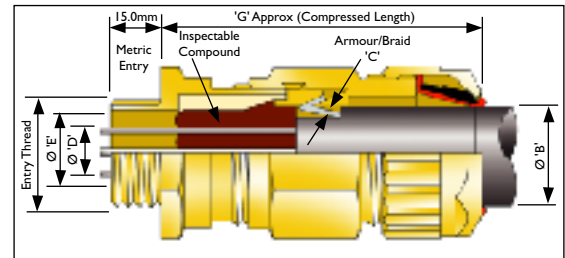


# Group I Cable Gland 653/T

ATEX   Mining

Flameproof and Increased Safety



**CABLE GLAND SELECTION TABLE**

Size Ref.	Entry Thread Size		Cable Acceptance Details						'G'		
			Inner Sheath/ Cores			Outer Sheath 'B'		'C' Pliable Wire Armour Orientation			
	Metric	NPT* Std./ Option	'D' Max. Over Cores	'E' Max. Inner Sheath	Max. No. Of Cores	Min.	Max.		Across Flats	Across Corners	
O	M20	½"	8.9	10.0	6	9.5	16.0	7 x 0.45	72.8	24.0	27.7
A	M20	¾"or½"	11.0	12.5	10	12.5	20.5	7 x 0.45	73.8	30.0	34.6
B	M25	1"or¾"	16.2	18.4	21	16.9	26.0	7 x 0.45	78.1	36.0	41.6
C	M32	1¼"or1"	21.9	24.7	42	22.0	33.0	7 x 0.45	83.0	46.0	53.1
C2	M40	1½"or1¼"	26.3	29.7	60	28.0	41.0	7 x 0.71	84.1	55.0	63.5
D	M50	2"or1½"	37.1	41.7	80	36.0	52.6	7 x 0.71	91.3	65.0	75.1
E	M63	2½"or2"	47.8	53.3	100	46.0	65.3	7 x 0.9	101.8	80.0	92.4
F	M75	3"or2½"	59.0	66.2/65.3 +	120	57.0	78.0	7 x 1.25	101.2	95.0	109.6

## General Information

All Metric entry threads are 1.5mm pitch medium fit.

All dimensions in millimetres (except\* where dimensions are in inches).

+ Smaller value is applicable when selecting reduced NPT entry option.

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

Assembly instruction data sheet No. A.I. 346.

Accessories including locknuts, sealing washers, serrated washers, earth tags, shrouds, adaptors and reducers available.

## Materials & Finishes

The 653/T cable gland is manufactured as standard in brass.

NPT entries, nickel plated as standard. Full nickel plating by electroplating or electroless plating is also available.

## Cable Gland Ordering Examples

**Cable Gland Type/Size/Thread**

e.g. 653/T/C/M32  
653/T/C/1¼" NPT

## Application

- Outdoor or Indoor use.
- For use with pliable wire armoured, elastomer and plastic insulated cables.


**For use in all mining applications particularly those with :-**

- a) Cables that are not effectively filled, compact and/or circular, have tape bedding or have hygroscopic fillers.
- b) Cables that exhibit "Cold Flow" characteristics.
- c) Enclosures containing an ignition source.

## Features

- Provides a barrier seal between the individual insulated cores 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 create a barrier seal at the point of entry into the enclosure.
- The compound chamber may be separated from the cured compound to ensure that the chamber has been effectively filled. If required, external voids can be repaired.
- Provides armour clamping, for pliable wire armour cable.
- Provides a cable retention seal onto the cables outer sheath.
- Seal manufactured from a low smoke and fume, zero halogen material.

## Technical Data

- Flameproof EExd I and Increased Safety EExe I.  I M2
- Baseefa Certificate No. Baseefa 02 ATEX 0179X.
- Suitable for use in Mines.
- Construction and test standards EN 50014, EN 50018, EN 50019
- IP66, IP67 and IP68 ingress protection to IEC 60529 and EN 60529.
- Operating temperature range -60°C to +80°C as standard.