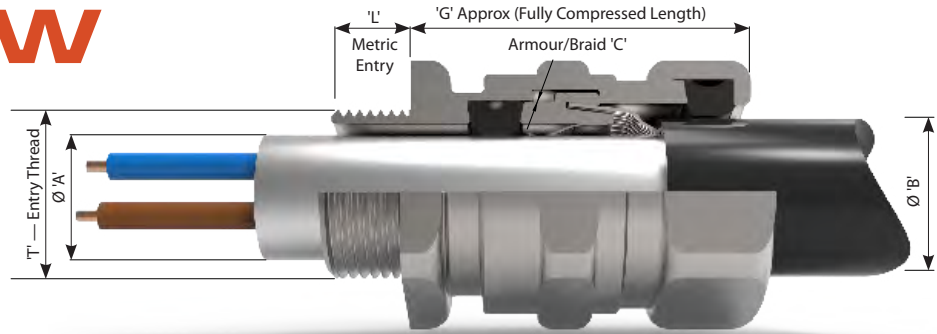




# FM E1W



A fire resistant, robust and simple dual compression gland for applications using SWA or AWA cable in a heavy industrial, critical safety environment which is exposed to dust or extreme weather conditions. All cable glands can be supplied with a shroud, lock nut, serrated washer and an earth tag.

### Cable Gland Selection Table

				Cable Acceptance Details									
Size Ref.	Entry Thread Size 'T'		Length of Thread (mm) 'L'	Inner Sheath 'A'				Outer Sheath 'B'		Standard Steel Wire 'W'	'G'	Hexagon Dims.	
	Metric	NPT* Standard or Option		Standard Seal		Alternative Seal (S)		Min	Max			Across Flats	Across Corners
				Min	Max	Min	Max						
Os	M20 <sup>2</sup>	½"	10	3.2	8.0	-	-	6.5	16.0	0.8/1.25	50.0	24.0	26.5
O	M20 <sup>2</sup>	½"	10	6.5	11.9	-	-	6.5	16.0	0.8/1.25	50.0	24.0	26.5
A	M20	¾" or ½"	10	10.0	14.3	9.0	13.4	11.5	20.9	0.8/1.25	51.0	30.0	32.5
B	M25	1" or ¾"	10	13.0	20.2	9.5	15.4	17.0	27.2	1.25/1.6	55.0	36.0	39.5
C	M32	1¼" or 1"	10	19.5	26.5	15.5	21.2	23.5	33.6	1.6/2.0	57.0	46.0	50.5

\*'T' - Metric entry threads are 1.5mm pitch as standard. All dimensions in millimetres (except \* where dimensions are in inches).

Sizes Os and O are available with an M16 thread size. For O size with M16 thread, the maximum cable inner sheath diameter is 10.9mm

## Fire Test

**In accordance with BS EN50200:2006**  
(Resistance to fire with mechanical shock)

**120mins at 830 (+40-0)°C**  
with mechanical shock and a rated voltage of 240v rms.

**Fire test: In accordance with BS 8434-2:2003 +A2 2009**  
(Resistance to fire with mechanical shock and water spray)

**120mins at 930 (+40-0)°C**  
with mechanical shock and a rated voltage of 240v rms.  
(60 mins fire and shock and 60 mins fire, shock and water)

## Features

- Simple robust 5 piece dual compression cable gland
- Simple mechanical clamping arrangement for all SWA and AWA cable
- Ease of assembly
- High quality materials with exceptional anti corrosion properties
- UV stable seal
- Tested to the latest industrial standards
- Excellent sealing range
- EMC tested
- All hexagon parts are the same size
- Provides cable retention seal onto the cables Outer and Inner Sheath

## Technical Data

<b>Construction and Test Standards</b>	BS EN 62444:2013 BS6121: Part 1 type E1W
<b>Ingress Protection</b>	IP66 IEC/EN 60529
<b>Material</b>	Nickel Plated Brass with Intumescent Rubber Seal
<b>Operating Temperature</b>	Range: -20°C to +70°C
<b>Clamping Arrangement</b>	Two part armour clamp, dual compression seal inner and outer sheath
<b>Earth</b>	Electrical continuity using the armour wire termination (SWA, AWA)
<b>Cable Type</b>	Single Wire Armour SWA and AWA
<b>Kit Information</b>	Intumescent sealing material used for FireMate versions
<b>Assembly Instructions</b>	AI 510

Note: Displacement or Compression seals do not prevent cold flow. IP seal required to maintain IP66.