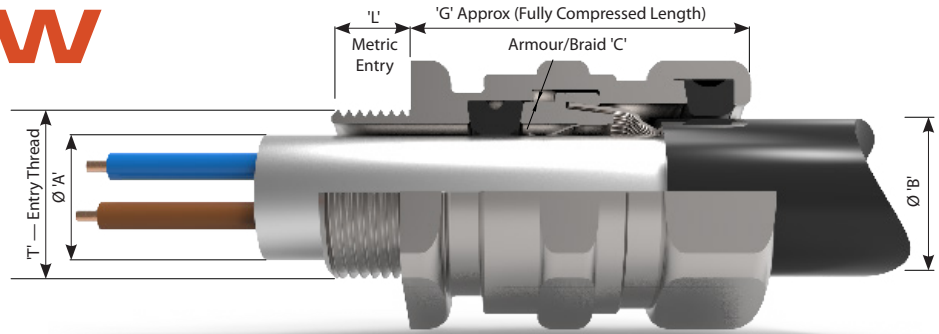




FM E1W



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													
Size Ref.	Entry Thread Size 'T'			Cable Acceptance Details							Hexagon Dims.		
	Metric	NPT* Standard or Option	Length of Thread (mm) 'L'	Inner Sheath 'A'				Outer Sheath 'B'		Standard Steel Wire 'W'	'G'	Across Flats	Across Corners
				Standard Seal		Alternative Seal (S)		Min	Max				
				Min	Max	Min	Max	Min	Max				
Os	M20 ²	½"	10	3.2	8.0	-	-	6.5	16.0	0.8/1.25	50.0	24.0	26.5
O	M20 ²	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

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

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