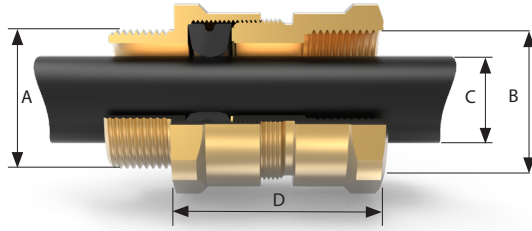




APEX 413

Flameproof, Increased Safety, Dust Protection and Restricted Breathing
 Certified ATEX / IECEx / UKEX

International Approvals



Features

- Suitable for use with conduit fittings where the running nut is part of the conduit fitting
- Simple and easy to install
- Elastomeric Exd Flameproof and Exe Increased Safety seal on cable outer sheath
- Suitable for use with braided cable (where application allows)
- Also fully compliant with EN 62444

The Apex 413 dual certified Exe/Exd cable gland is intended for sealing onto the outer sheath of unarmoured elastomer and plastic insulated cables installed in conduit. This cable gland offers a female thread suitable for attachment with flexible conduit fittings where the rotating coupler is part of the conduit fitting. This cable gland may be used with braided cables where the braid and outer sheath pass into the enclosure. The braid must then be suitably terminated inside the enclosure. For Exd applications, the cable must be suitable in compliance with with EN 60079-14.

Cable Gland Selection Table

Size Ref.	Entry Thread Size 'A'		Female Thread Size 'B'		Cable Acceptance Details		Max Length 'D'	Hexagon Dimensions**	
	Metric	NPT	Metric	NPT	Outer Sheath 'C'			Across Flats	Across Corners
					Min.	Max.			
Os	M16	-	M16	-	2.5	7.5	40.0	19.0	21.2
	M20	1/2"	M20	1/2"	2.5	7.5	40.0	24.0	26.5
O	M16	-	M16	-	6.5	11.8	40.0	19.0	21.2
	M20	1/2"	M20	1/2"	6.5	11.8	40.0	24.0	26.5
A	M20	1/2"	M20	1/2"	8.0	14.4	42.0	24.0	26.5
	-	3/4"	-	3/4"	8.0	14.4	42.0	30.0	32.5
B	M25	3/4"	M25	3/4"	10.0	19.7	48.7	32.0	36.0
	-	1"	-	1"	10.0	19.7	48.7	36.0	39.5
C	M32	1"	M32	1"	14.5	26.4	48.7	41.0	44.0
	-	1 1/4"	-	1 1/4"	14.5	26.4	48.7	46.0	50.5
C2	M40	1 1/4"	M40	1 1/4"	21.0	32.4	51.5	50.0	55.5
	-	1 1/2"	-	1 1/2"	21.0	32.4	51.5	55.0	60.6
D	M50	1 1/2"	M50	1 1/2"	29.0	42.3* / 44.0	57.85	60.0	66.0
	-	2"	-	2"	29.0	44.0	57.85	65.0	70.8
E	M63	2"	M63	2"	41.5	54.3* / 55.0	58.5	76.2	82.5
	-	2 1/2"	-	2 1/2"	41.5	55.0	58.5	80.0	88.0
F	M75	2 1/2"	M75	2 1/2"	52.0	65.3* / 67.5	63.75	88.9	97.5
	-	3"	-	3"	52.0	67.5	63.75	95.0	104.0

Os - F size metric entry threads are 1.5mm pitch as standard, 15mm length of thread. Alternative thread lengths may be available upon request.
 *Smaller diameters apply when selecting smaller diameter NPT entry threadform. **For larger NPT options hex size only increases on entry component. Tailnut hexagon sizes are as standard metric size.

Technical Data

Metallic Material Options	Manufactured in Brass, Nickel Plated Brass or 316L Stainless Steel. Metallics conform to EN10204 2.2 & 3.1
Non Metallic Materials	Thermoset Elastomer
Ingress Protection	IP66, IP67
Enclosure Protection	IK08 to IEC 62262
Deluge Protection	Deluge Protection to DTS01
Operating Temperature	-60°C to +130°C
Applications	Suitable for use in Gas Zones 1,2 and Dust Zones 20, 21,22

Approvals

Protection Class	Ex II 2G Ex db eb IIC Gb; 3G Ex nR IIC Gc; 1D Ex ta IIIC Da
ATEX Certificate No	CML23ATEX1003X CML19ATEX4507X (Ex nR)
IECEx Certificate No	CML23.0002X CML21.0012X (Ex nR)
UKEX Certificate No	CML23UKEX1005X CML21UKEX4133X (Ex nR)
Construction & Test Standards	IEC/EN 62444 (Anchorage Type A), IEC/EN 60079-0, 1, 7, 15, 31

Ordering Information

If brass is required please omit material selection
 Format for ordering is as follows:

Cable Gland Type	Size	Male Thread	Female Thread	Material
413	C	M32	M32	NP
413	C	1.0	1.0	NE

Order Example: 413CM32M32NP
 Please note all NPT entries should be state as a decimal
 Please refer to part code logic information page for further details on product options