



## Insulated Adaptor Type 777 with Flameproof Ex d IIC & Increased Safety Ex e II forms of protection.

The CMP Type 777 Insulated Adaptor allows the Metallic Cable Gland, and ultimately the cable armour, to be effectively isolated from the equipment. The use of these Adaptors has proven to be an essential precaution in areas where electromagnetic 'noise' and circulating eddy currents 'stray' around any vulnerable cable system. Particularly relevant in Power Plants and in areas where highly sensitive instrumentation circuits are relied upon for interference free safety critical operations, the cable armour can still be connected to ground externally with the use of an earth tag fitted between the cable gland and insulated adaptor. This allows the user to design his system around a single point earthing strategy and allows the operator to perform tests on the earth circuit without disconnection of the elements installed. A General Purpose Industrial version is also available.

CMP 777 Insulated Adaptors are available in Brass, Aluminium or Stainless Steel and can be supplied for both Industrial and Hazardous Area applications, with Ex 'd' & Ex 'e' Component Approval.



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## 777 Series Insulated Adaptors Table

Ordering Reference	Male Thread Size	Minimum Thread Length	Female Thread Size	Maximum Bore Diameter	Protrusion Length	Overall Envelope Diameter
777DM2M2	M20 X 1.5	15.0	M20 X 1.5	14.0	31.4	38.9
777DM3M3	M25 X 1.5	15.0	M25 X 1.5	20.0	31.9	49.7
777DM4M4	M32 X 1.5	15.0	M32 X 1.5	26.0	31.4	59.4
777DM5M5	M40 X 1.5	15.0	M40 X 1.5	32.1	32.4	75.6
777DM6M6	M50 X 1.5	15.0	M50 X 1.5	42.0	32.2	86.4
777DM7M7	M63 X 1.5	15.0	M63 X 1.5	55.0	37.9	108.0
777DM8M8	M75 X 1.5	15.0	M75 X 1.5	65.2	37.2	115.6
777DM9M9	M90 X 2.0	24.0	M90 X 2.0	80.6	52.4	133.1

Dimensions are displayed in millimetres unless otherwise stated

**Note:** Marked with ATEX, IECEx and cCSAus certification details as standard. Other Thread Variations are available on request. Please refer to ordering guide tables in Ordering Definitions

**Note:** How to order - e.g. 777DM24 = Dual Certified Ex d & Ex e - M20 - Stainless Steel

For Integral Entry Thread "O" Ring Seal option please use the letter "R" after the form of protection in the Ordering Reference list above.

Ordering Reference	Male Thread Size	Minimum Thread Length	Female Thread Size	Maximum Bore Diameter	Protrusion Length	Overall Envelope Diameter
777DM2M2	M20 X 0.059	0.591	M20 X 0.059	0.551	1.236	1.531
777DM3M3	M25 X 0.059	0.591	M25 X 0.059	0.787	1.256	1.957
777DM4M4	M32 X 0.059	0.591	M32 X 0.059	1.024	1.236	2.339
777DM5M5	M40 X 0.059	0.591	M40 X 0.059	1.264	1.276	2.976
777DM6M6	M50 X 0.059	0.591	M50 X 0.059	1.654	1.268	3.402
777DM7M7	M63 X 0.059	0.591	M63 X 0.059	2.165	1.492	4.252
777DM8M8	M75 X 0.059	0.591	M75 X 0.059	2.567	1.465	4.551
777DM9M9	M90 X 0.079	0.945	M90 X 0.079	3.173	2.063	5.240

Dimensions are displayed in inches unless otherwise stated

**Note:** Marked with ATEX, IECEx and cCSAus certification details as standard. Other Thread Variations are available on request. Please refer to ordering guide tables in Ordering Definitions

**Note:** How to order - e.g. 777DM24 = Dual Certified Ex d & Ex e - M20 - Stainless Steel

For Integral Entry Thread "O" Ring Seal option please use the letter "R" after the form of protection in the Ordering Reference list above.



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# TECHNICAL DATA

Please click a logo to display it's certification information

cCSAus Approval Certificate No.	<a href="#">1055233</a>
cCSAus Code of Protection Category	Ex de II; Class I, Groups A, B, C and D; Class I, Zone 1, AEx de II; IP66, 67, and 68, Enclosure Type 4X.
cCSAus Compliance Standards	C22.2 No. 0.5-M1982, C22.2 No. 30-M1986, C22.2 No. 94-M1991, CAN/CSA E60079-0:07, CAN/CSA E60079-1:07, CAN/CSA E60079-7:02, UL Standard 50, Eleventh Edition, UL Standard 1203, Fourth Edition, UL 60079-0, Fourth Edition, UL 60079-1, Fifth Edition, UL 60079-7, First Edition
GOST R Certificate Number	<a href="#">POCC GB.HO06.B00207</a>
GOST R Code of Protection Category	Ex d IIC / Ex e II / DIP A21
GOST R Compliance Standards	ГОСТ P 52350.0-2005, ГОСТ P 52350.1-2005, ГОСТ P 52350.7-2005, ГОСТ МЭК 61241-1-1-99
GOST GGTN Permit	<a href="#">PPC 00-40706</a>
GOST K Certificate Number	<a href="#">KZ 75000361 01 01 14761</a>
RoK Permit For Use Number	<a href="#">19-02-UL-1957</a>
Lloyds Approval No.	<a href="#">01/00173</a>
DNV Approval No.	<a href="#">E-10496</a>
ABS Approval No.	<a href="#">01-LD234401C/1-PDA</a>
INMETRO Approval Certificate Number.	<a href="#">AEX-13105-U</a>
INMETRO Code of Protection Category	BR-Ex d IIC / BR-Ex e II
INMETRO Compliance Standards	ABNT NBR IEC 60079-0:2006, IEC 60079-1:2007 e IEC 60079-2007:2001
RETIE Approval Number	<a href="#">03866</a>
Type	777
Design Specification	<a href="#">BS 6121:Part 1:1989</a> , <a href="#">EN 50262:1999</a>
ATEX Certification Detail	<a href="#">SIRA10ATEX1057U</a>
ATEX Code of Protection Category	ATEX II 2 GD Ex d IIC & Ex e II Component, Zone 1, Zone 2, Zone 21, & Zone 22 - Gas Groups IIA, IIB, IIC
ATEX Compliance Standards	EN 60079-0, EN 60079-1, EN 60079-7, EN 50281-1-1
IEC Ex Certification Detail	<a href="#">IECEx SIR 10.0027U</a>
IEC Ex Code of Protection Category	Ex d IIC, Ex e II, Ex tD A21 IP6
IEC Ex Compliance Standards	IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0, IEC 61241-1
Continuous Operating Temperature	-60°C to +130°C
Ingress Protection Rating	IP68
Material	Brass, Electroless Nickel Plated Brass, Aluminium, Stainless Steel
Accessories Included	Integral Entry Thread "O" Ring Seal
Optional Accessories	<a href="#">Locknut</a> , <a href="#">Serrated Washer</a>

## Related Links

- [How To Order](#)



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