CCG CABLE TERMINATIONS

VORTEx INSPECTABLE INJECTION RESIN BARRIER GLAND

VORTEx® INJECTION RESIN

Accurate, Instant Mixing and Application in One Single Action

for Hazardous Area Installations

Features and Benefits

CCG's VORTEx® Barrier Gland with an instant mixing, injecting resin has all but eliminated the hassles surrounding the preparation, mixing, and application of compounds/resins in Barrier Glands. The VORTEx® Injection Resin system is instantly and 100% accurately mixed whilst being simultaneously injected into the barrier gland in one single action. This reduces the installation time and gives increased confidence in the installation compared to the epoxy putty or sachet mix liquid pour resins.

The Injection resin flows into all the cable voids and interstices, completely filling the cable end. This forms a 100% barrier to any migration of explosive gases or fluids down the inside of an unfilled hygroscopic cable. VORTEx® barrier glands are tested and fully comply with the latest IEC Ex standards and installation codes of practice.

Ease Of Use:	VORTEx® Injection Resin® is held in injection tubes and with a vortex mixing nozzle, it requires just one hand to mix and apply. Unlike a sachet, liquid resins require two hands to mix.
Instant Accurate Mixing and Simultaneous Injection:	VORTEx® Injection Resin® is instantly and accurately mixed and then simultaneously injected through the vortex mixing nozzle in just one action, completely eliminating the time taken as well as the risks involved, which are prevalent when premixing other forms of resin.
100% Safe And Effective:	VORTEx® liquid resin flows into and fills all the voids in unfilled multi-core cables displacing all air and guaranteeing a 100% perfect barrier seal. Unlike traditional putty filled barrier glands requiring specialized skill and care to install.
Quick Setting:	VORTEx® Resin sets in minutes. At 20°C it takes 15- minutes and at 30°C it takes just 10- minutes to set.
Inspectible Chamber:	A clear, inspectible resin chamber seal and yellow-coloured resin allow for ease of inspection.

Cable Gland Resin Requirements

- The number of glands per resin cartridge identifies the quantity of glands that can be filled per resin Cartridge.
- The number of resin cartridges per gland identifies the quantity of resin cartridges required per gland.

Gland Size Reference	No. of Glands per Resin Cartridges	No. of Resin Cartridges per Gland	UNITEx-F NPT Entry Thread		UNITEx-F Metric Entry Thread		TMCX NPT Entry Thread			TMCX Metric Entry Thread		
			No. of Glands per Resin Cartridges	No. of Resin Cartridges per Gland	No. of Glands per Resin Cartridges	No. of Resin Cartridges per Gland	Product Code	No. of Glands per Resin Cartridges	No. of Resin Cartridges per Gland	Product Code	No. of Glands per Resin Cartridges	No. of Resin Cartridges per Gland
00-16ss	8	1	6	1	6	1	TMCX050A00	6	1	TMCXM20A00	6	1
00-20ss	8	1	6	1	6	1	TMCX050A-0	6	1	TMCXM20A-0	6	1
0-20s	6	1	6	1	6	1	TMCX075A-0	6	1	TMCXM20A01	5	1
1-20	5	1	5	1	5	1	TMCX050A01	5	1	TMCXM25A02	3	1
2s-25s	3	1	3	1	3	1	TMCX075A02	3	1	TMCXM32A03	2	1
2-25	3	1	3	1	3	1	TMCX100A02	2	1	TMCXM40A04	1	1
3s-32s	2	1	2	1	2	1	TMCX100A03	2	1	TMCXM50A05	-	2
3-32	2	1	2	1	2	1	TMCX125A03	1	1	TMCXM63A06	-	2
4s	1	1	-	-	-	-	TMCX125A04	1	1	TMCXM75A07	-	3
4	1	1	1	1	1	1	TMCX150A04	-	2	TMCXM80A08	-	3
5s	1	2	-	2	-	2	TMCX150A05	-	2	TMCXM90A09	-	4
5	1	2	-	2	-	2	TMCX200A05	-	2	TMCXM100A10	-	5
6s	1	2	-	2	-	2	TMCX200A06	-	2	TMCXM110A11	-	7
6	1	2	-	2	-	2	TMCX200A07	-	3	-	-	-
7s	1	3	-	4	-	-	TMCX250A07	-	3	-	-	-
7	1	3	-	4	-	3	TMCX250A08	-	4	-	-	-
8s	1	3	-	4	-	-	TMCX300A08	-	4	-	-	-
8	1	3	-	4	-	3	TMCX300A09	-	4	-	-	-
9s	1	3	-	5	-	-	TMCX350A09	-	6	-	-	-
9	1	3	-	5	-	3	TMCX350A10	-	6	-	-	-
10	1	4	-	6	-	4	TMCX400A10	-	9	-	-	-
11	1	5	-	-	-	-	TMCX400A11	-	9	-	-	-
12	1	6	-	-	-	-	-	-	-	-	-	-
13	1	7	-	-	-	-	-	-	-	-	-	-

Swivel Barrier Range Resin Requirements

- Swivel Barrier Range = SBA, SBC to size 10
  SBELB, SB45 to size 6
- The number of adaptors/couplers per resin cartridge identifies the quantity of adaptors/couplers that can be filled per resin cartridge.
- The number of resin cartridges per adaptor/coupler identifies the quantity of resin cartridges required per adaptor/coupler.

NPT Size Reference	No. of Adaptor/Coupler per Resin Cartridges	No. of Resin Cartridges per Adaptor/Coupler
1	5	1
2	3	1
3	2	1
4	1	2
5	-	2
6	-	2
7	-	3
8	-	4
9	-	6
10	-	9

Metric Size Reference	No. of Adaptor/Coupler per Resin Cartridges	No. of Resin Cartridges per Adaptor/Coupler
1	5	1
2	3	1
3	2	1
4	1	1
5	-	2
6	-	2
7	-	3
8	-	3
9	-	4
10	-	5

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