

Cable Glands

DQM-III Series Explosion-proof Cable Glands (Ex d IIC Ex e IIC)

Armored Compound Barrier



Cable wiring



Steel pipe wiring

- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 1, Groups A, B, C, D
- ◆ Ex d, Ex e structure; available in stainless steel or nickel plated brass.
- ◆ With sealing ring and sealing compound; suitable for armored cable.
- ◆ For particular use with: cables that exhibit "cold flow" characteristics.
- ◆ EMC Cable Gland. (360° contact) - EMC tested.

Technical data

Explosion-proof cable glands DQM-III (armored compound barrier)

Explosion protection

Global (IECEX)
Gas and dust

IECEX CQM 11.0028

Ex d IIC Gb
Ex e IIC Gb

Ex tb IIIC Db IP66

Europe (ATEX)
Gas and dust

Nemko 10 ATEX 1005X

⊕ II 2 G Ex d IIC Gb

⊕ II 2 G Ex e IIC Gb

⊕ II 2 D Ex tb IIIC Db IP66

Certificates

IECEX; ATEX; CU-TR

Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31

IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31

Gland material

Stainless steel or nickel plated brass

Degree of protection

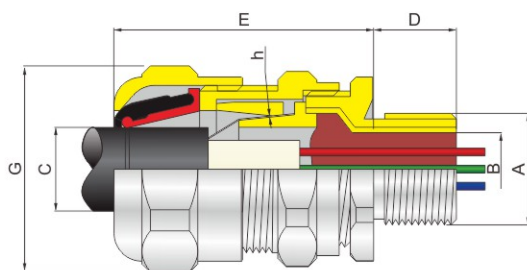
IP66 (IP67 optional)

Ambient temperature

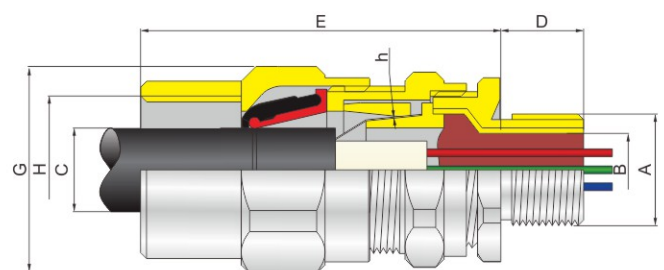
-20°C~+55°C(-60°C~+100°C optional)

Connection thread

Metric thread is standard type; G thread or NPT thread is optional



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Selection table of cable wiring

Gland size	Entry thread "A"		Cable outer diameter B (mm)		Cable outer diameter C (mm)		Minimum thread length D (mm)	Nominal protrusion length E (mm)	Across corners G (mm)	Armour/Braid(h)		Ordering code	Weight (kg)
	Metric	NPT/G	Max	Min	Max	X				W			
20A	M20	1/2"	10.0	5.5	12.0	15	51	31	0~0.8	0.8~1.6	711001	0.12	
20B	M20	1/2"	10.0	9.0	16.0	15	51	31	0~0.8	0.8~1.6	711002	0.15	
20C	M20	1/2"	13.0	12.5	20.5	15	53	37	0~0.8	0.8~1.6	711003	0.15	
25A	M25	3/4"	10.0	9.0	16.0	15	51	37	0~0.8	0.8~1.6	711004	0.19	
25B	M25	3/4"	13.0	12.5	20.5	15	53	37	0~0.8	0.8~1.6	711005	0.18	
25C	M25	3/4"	18.0	17.0	26.0	15	58	45	0~0.8	0.8~1.6	711006	0.18	
32A	M32	1"	13.0	12.5	20.5	19	53	45	0~0.8	0.8~1.6	711007	0.21	
32B	M32	1"	18.0	17.0	26.0	19	58	45	0~0.8	0.8~1.6	711008	0.27	
32C	M32	1"	24.0	22.0	33.0	19	62	54	0~1.0	1.0~2.0	711009	0.29	
40A	M40	1 1/4"	18.0	17.0	26.0	19	58	54	0~0.8	0.8~1.6	711010	0.29	
40B	M40	1 1/4"	24.0	22.0	33.0	19	62	54	0~1.0	1.0~2.0	711011	0.32	
40C	M40	1 1/4"	30.0	28.0	41.0	19	69	65	0~1.2	1.2~2.5	711012	0.38	
50A	M50	1 1/2"	24.0	22.0	33.0	19	62	65	0~1.0	1.0~2.0	711013	0.38	
50B	M50	1 1/2"	30.0	28.0	41.0	19	69	65	0~1.2	1.2~2.5	711014	0.57	
50C	M50	1 1/2"	37.0	36.0	52.5	19	77	77	0~1.2	1.2~2.5	711015	0.75	
63A	M63	2"	30.0	28.0	41.0	19	69	77	0~1.2	1.2~2.5	711016	0.90	
63B	M63	2"	37.0	36.0	52.5	19	77	77	0~1.2	1.2~2.5	711017	1.10	
63C	M63	2"	47.0	46.0	65.0	19	95	93	0~1.2	1.5~2.5	711018	1.40	
75A	M75	2 1/2"	37.0	36.0	52.5	19	77	90	0~1.2	1.2~2.5	711019	2.50	
75B	M75	2 1/2"	55.0	46.0	65.0	19	95	93	0~1.2	1.5~2.5	711020	2.90	
75C	M75	2 1/2"	60.0	57.0	78.0	19	100	110	0~1.5	2.0~3.5	711021	3.00	
90	M90	3"	70.0	68.0	88.0	19	100	121	0~1.5	2.0~3.5	711022	3.90	
115	M115	4"	90.0	83.0	103.0	19	106	137	0~1.5	2.0~3.5	711023	4.60	

Selection table of steel pipe wiring

Gland size	Entry thread "A"		Entry thread "H"		Cable outer diameter B (mm)		Cable outer diameter C (mm)		Minimum thread length D (mm)	Nominal protrusion length E (mm)	Across corners G (mm)	Armour/Braid(h)		Ordering code	Weight (kg)
	Metric	NPT/G	Metric	NPT/G	Max	Min	Max	X				W			
20A	M20	1/2"	M20	1/2"	10.0	5.5	12.0	15	66	31	0~0.8	0.8~1.6	711024	0.14	
20B	M20	1/2"	M20	1/2"	10.0	9.0	16.0	15	66	31	0~0.8	0.8~1.6	711025	0.17	
20C	M20	1/2"	M25	3/4"	13.0	12.5	20.5	15	66	37	0~0.8	0.8~1.6	711026	0.17	
25A	M25	3/4"	M20	1/2"	10.0	9.0	16.0	15	66	37	0~0.8	0.8~1.6	711027	0.21	
25B	M25	3/4"	M25	3/4"	13.0	12.5	20.5	15	68	37	0~0.8	0.8~1.6	711028	0.20	
25C	M25	3/4"	M32	1"	18.0	17.0	26.0	15	73	45	0~0.8	0.8~1.6	711029	0.20	
32A	M32	1"	M25	3/4"	13.0	12.5	20.5	19	68	45	0~0.8	0.8~1.6	711030	0.23	
32B	M32	1"	M32	1"	18.0	17.0	26.0	19	77	45	0~0.8	0.8~1.6	711031	0.29	
32C	M32	1"	M40	1 1/4"	24.0	22.0	33.0	19	77	54	0~1.0	1.0~2.0	711032	0.31	
40A	M40	1 1/4"	M32	1"	18.0	17.0	26.0	19	77	54	0~0.8	0.8~1.6	711033	0.31	
40B	M40	1 1/4"	M40	1 1/4"	24.0	22.0	33.0	19	81	54	0~1.0	1.0~2.0	711034	0.35	
40C	M40	1 1/4"	M50	1 1/2"	30.0	28.0	41.0	19	89	65	0~1.2	1.2~2.5	711035	0.40	
50A	M50	1 1/2"	M40	1 1/4"	24.0	22.0	33.0	19	81	65	0~1.0	1.0~2.0	711036	0.40	
50B	M50	1 1/2"	M50	1 1/2"	30.0	28.0	41.0	19	88	65	0~1.2	1.2~2.5	711037	0.60	
50C	M50	1 1/2"	M63	2"	37.0	36.0	52.5	19	97	77	0~1.2	1.2~2.5	711038	0.80	
63A	M63	2"	M50	1 1/2"	30.0	28.0	41.0	19	86	77	0~1.2	1.2~2.5	711039	1.05	
63B	M63	2"	M63	2"	37.0	36.0	52.5	19	97	77	0~1.2	1.2~2.5	711040	1.25	
63C	M63	2"	M75	2 1/2"	47.0	46.0	65.0	19	112	93	0~1.2	1.5~2.5	711041	1.60	
75A	M75	2 1/2"	M63	2"	37.0	36.0	52.5	19	96	90	0~1.2	1.2~2.5	711042	2.70	
75B	M75	2 1/2"	M75	2 1/2"	55.0	46.0	65.0	19	112	93	0~1.2	1.5~2.5	711043	3.20	
75C	M75	2 1/2"	M90	3"	60.0	57.0	78.0	19	119	110	0~1.5	2.0~3.5	711044	3.40	
90	M90	3"	M115	4"	70.0	68.0	88.0	19	119	121	0~1.5	2.0~3.5	711045	4.20	
115	M115	4"	M125	4 1/2"	90.0	83.0	103.0	19	125	137	0~1.5	2.0~3.5	711046	4.90	

Note: 1. Standard material is nickel plated brass. Stainless steel is optional. Above weight is based upon nickel plated brass.
 2. Earth lug and shroud on request. See P7/36~37.
 3. Metric threads are 1.5mm pitch as standard, others thread pitch can be customized, please specify when ordering.

