

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, nickel plated brass or galvanized carbon steel.
- ◆ With sealing ring and sealing compound; suitable for armored cable.

Technical data

Explosion-proof cable glands

Explosion protection

Gas explosion protection
Dust explosion protection

Certificates

Conformity to standards

Gland material

Degree of protection

Ambient temperature

Connection thread

DQM-III (armored compound barrier)

Ex II 2 G Ex d IIC Gb

Ex II 2 D Ex tb IIC Db IP66

Ex II 2 G Ex e IIC Gb

Nemko 10 ATEX 1005X; IECEx CQM 11.0028; RU C-CN.ГБ08.B.00610(CU-TR)

EN 60079-0:2012, EN 60079-1:2007, EN 60079-7:2007, EN 60079-31:2009

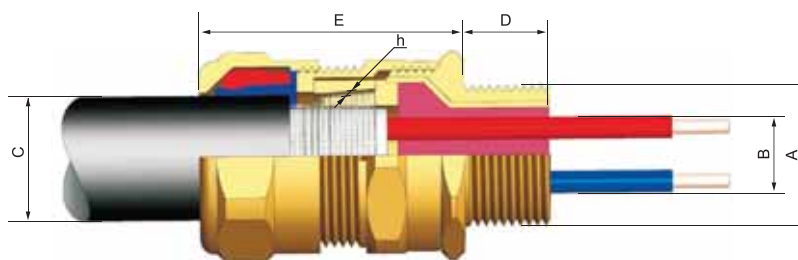
IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-7:2006, IEC 60079-31:2008

Stainless steel, nickel plated brass or galvanized carbon steel

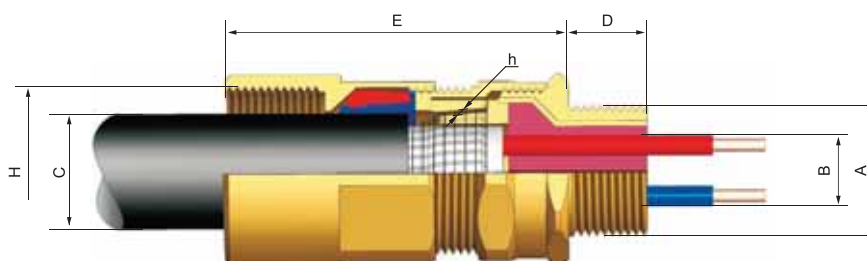
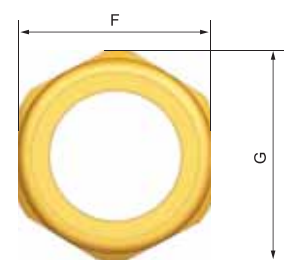
IP66 (IP67 optional)

-20°C~+55°C(-60°C~+100°C optional)

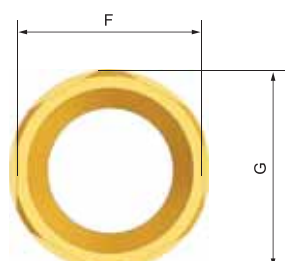
Metric thread is standard type; G thread or NPT thread is optional



Cable wiring



Steel pipe wiring



Cable Glands

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

Armored Compound Barrier

Selection table of cable wiring

Gland size	Standard entry thread A			Cable outer diameter B (mm)	Cable outer diameter C (mm)		Minimum thread length D (mm)	Nominal protrusion length E (mm)	Across flats F (mm)	Across corners G (mm)	Range of armored thickness h (mm)	Ordering code	Weight (kg)
				Max	Min	Max							
20A	M20 x 1.5	NPT 1/2"	G1/2"	10.0	5.5	12.0	15	50	27	30	0.3~1.0	710001	0.12
20B	M20 x 1.5	NPT 1/2"	G1/2"	10.0	9.5	16.0	15	50	27	30	0.3~1.0	710002	0.12
20C	M20 x 1.5	NPT 1/2"	G1/2"	13.0	12.5	20.5	15	52	27	30	0.3~1.0	710003	0.11
25B	M25 x 1.5	NPT 3/4"	G3/4"	13.0	12.5	20.5	15	52	34	37	0.3~1.0	710004	0.16
25C	M25 x 1.5	NPT 3/4"	G3/4"	18.0	17.0	26.0	15	58	34	37	0.4~1.2	710005	0.15
32B	M32 x 1.5	NPT 1"	G1"	18.0	17.0	26.0	19	58	41	45	0.4~1.2	710006	0.19
32C	M32 x 1.5	NPT 1"	G1"	24.0	22.0	33.0	19	62	41	45	0.4~1.4	710007	0.17
40B	M40 x 1.5	NPT 1 1/4"	G1 1/4"	24.0	22.0	33.0	19	62	50	55	0.6~1.9	710008	0.25
40C	M40 x 1.5	NPT 1 1/4"	G1 1/4"	29.0	28.0	41.0	19	70	50	55	0.6~2.2	710009	0.22
50B	M50 x 1.5	NPT 1 1/2"	G1 1/2"	29.0	28.0	41.0	19	70	60	65	0.8~2.3	710010	0.32
50C	M50 x 1.5	NPT 1 1/2"	G1 1/2"	35.0	36.0	52.5	19	77	60	65	0.8~2.3	710011	0.29
63B	M63 x 1.5	NPT 2"	G2"	35.0	36.0	52.5	19	77	72	77	0.9~2.4	710012	0.41
63C	M63 x 1.5	NPT 2"	G2"	50.0	46.0	65.0	19	95	77	82	0.9~2.4	710013	0.38
75B	M75 x 1.5	NPT 2 1/2"	G2 1/2"	55.0	46.0	65.0	19	95	88	93	0.9~2.4	710014	3.00
75C	M75 x 1.5	NPT 2 1/2"	G2 1/2"	64.0	57.0	78.0	19	100	105	110	0.9~2.4	710015	2.90
90	M90 x 1.5	NPT 3"	G3"	75.0	68.0	88.0	19	100	115	121	0.9~2.8	710016	3.80
110	M110 x 1.5	NPT 4"	G4"	90.0	83.0	103.0	19	106	128	137	0.9~2.8	710017	4.90

Selection table of steel pipe wiring

Gland size	Standard entry thread A / H			Cable outer diameter B (mm)		Cable outer diameter C (mm)		Minimum thread length D (mm)	Nominal protrusion length E (mm)	Across flats F (mm)	Across corners G (mm)	Range of armored thickness h (mm)	Ordering code	Weight (kg)
				Max	Min	Max								
20A	M20 x 1.5	NPT 1/2"	G1/2"	10.0	5.5	12.0	15	66	27	30	0.3~1.0	710018	0.17	
20B	M20 x 1.5	NPT 1/2"	G1/2"	10.0	9.5	16.0	15	66	27	30	0.3~1.0	710019	0.17	
20C	M20 x 1.5	NPT 1/2"	G1/2"	13.0	12.5	20.5	15	68	27	30	0.3~1.0	710020	0.16	
25B	M25 x 1.5	NPT 3/4"	G3/4"	13.0	12.5	20.5	15	68	34	37	0.3~1.0	710021	0.21	
25C	M25 x 1.5	NPT 3/4"	G3/4"	18.0	17.0	26.0	15	73	34	37	0.4~1.2	710022	0.20	
32B	M32 x 1.5	NPT 1"	G1"	18.0	17.0	26.0	19	73	41	45	0.4~1.2	710023	0.24	
32C	M32 x 1.5	NPT 1"	G1"	24.0	22.0	33.0	19	76	41	45	0.4~1.4	710024	0.22	
40B	M40 x 1.5	NPT 1 1/4"	G1 1/4"	24.0	22.0	33.0	19	76	50	55	0.6~1.9	710025	0.30	
40C	M40 x 1.5	NPT 1 1/4"	G1 1/4"	29.0	28.0	41.0	19	85	50	55	0.6~2.2	710026	0.27	
50B	M50 x 1.5	NPT 1 1/2"	G1 1/2"	29.0	28.0	41.0	19	85	60	65	0.8~2.3	710027	0.37	
50C	M50 x 1.5	NPT 1 1/2"	G1 1/2"	35.0	36.0	52.5	19	91	60	65	0.8~2.3	710028	0.34	
63B	M63 x 1.5	NPT 2"	G2"	35.0	36.0	52.5	19	91	72	77	0.9~2.4	710029	0.46	
63C	M63 x 1.5	NPT 2"	G2"	50.0	46.0	65.0	19	110	77	82	0.9~2.4	710030	0.43	
75B	M75 x 1.5	NPT 2 1/2"	G2 1/2"	55.0	46.0	65.0	19	110	88	93	0.9~2.4	710031	2.80	
75C	M75 x 1.5	NPT 2 1/2"	G2 1/2"	64.0	57.0	78.0	19	115	105	110	0.9~2.4	710032	2.70	
90	M90 x 1.5	NPT 3"	G3"	75.0	68.0	88.0	19	115	115	121	0.9~2.8	710033	3.60	
110	M110 x 1.5	NPT 4"	G4"	90.0	83.0	103.0	19	120	128	137	0.9~2.8	710034	4.70	

Note: 1. Standard material is nickel plated brass. Stainless steel or galvanized carbon steel is optional. Above weight is based upon nickel plated brass.
2. Earth lug and shroud on request. See P7/33.

