

Cable Glands

DQM-III/II Series Explosion-proof Cable Glands (Ex db IIC, Ex eb IIC)

Armored Compound Barrier



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 20, Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 1, Groups A, B, C, D
- ◆ Ex db, Ex eb 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/II (armored compound barrier)

Explosion protection

Global (IECEX)
Gas and dust

IECEX TUR 22.0035X
Ex db IIC Gb (M and NPT thread)
Ex eb IIC Gb (M, NPT and G thread)
Ex ta IIIC Da (M and NPT thread)

Europe (ATEX)
Gas and dust

TÜV 22 ATEX 8855X
⊕ II 2 G Ex db IIC Gb (M and NPT thread)
⊕ II 2 G Ex eb IIC Gb (M, NPT and G thread)
⊕ II 1 D Ex ta IIIC Da (M and NPT thread)

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

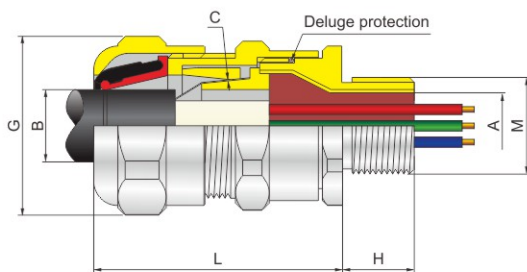
IP66

Ambient temperature

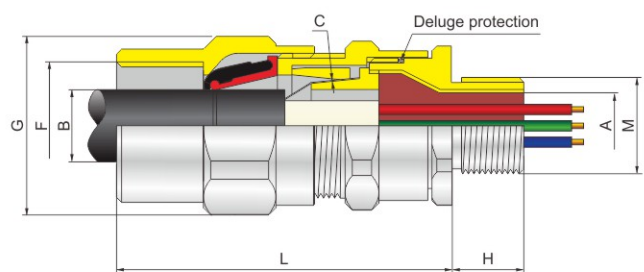
-60°C~+90°C

Connection thread

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



Cable wiring
DQM-III/II-D



Steel pipe wiring
DQM-III/II-G



Cable Glands

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Armored Compound Barrier

Selection table of cable wiring (DQM-III/II-D)

Entry thread "M"	Spec. code	Cable outer diameter		Minimum thread length H (mm)	Nominal protrusion length L (mm)	Across corners G (mm)	Armour/Braid(C)				Ordering code	Weight (kg)		
		A (mm)	B (mm)				Standard		Alternative (AR)					
							X	W	X	W				
M20	1/2"	A	10.0	5.5	12.0	15	62	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	711001	0.15
M20	1/2"	B	10.0	9.0	16.0	15	62	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	711002	0.15
M20	1/2"	C	13.0	12.5	20.5	15	64	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	711003	0.20
M25	3/4"	A	10.0	9.0	16.0	15	62	35	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	711004	0.18
M25	3/4"	B	13.0	12.5	20.5	15	64	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	711005	0.23
M25	3/4"	C	18.0	17.0	26.0	15	68	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	711006	0.30
M32	1"	A	13.0	12.5	20.5	15	64	42	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	711007	0.27
M32	1"	B	18.0	17.0	26.0	15	68	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	711008	0.34
M32	1"	C	24.0	22.0	33.0	15	74	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	711009	0.43
M40	1 1/4"	A	18.0	17.0	26.0	19	68	54	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	711010	0.40
M40	1 1/4"	B	24.0	22.0	33.0	19	74	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	711011	0.48
M40	1 1/4"	C	30.0	28.0	41.0	19	82	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	711012	0.68
M50	1 1/2"	A	24.0	22.0	33.0	19	74	65	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	711013	0.58
M50	1 1/2"	B	30.0	28.0	41.0	19	82	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	711014	0.80
M50	1 1/2"	C	37.0	36.0	52.5	19	94	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	711015	1.00
M63	2"	A	30.0	28.0	41.0	19	82	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	711016	0.90
M63	2"	B	37.0	36.0	52.5	19	94	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	711017	1.33
M63	2"	C	47.0	46.0	65.0	19	107	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	711018	1.90
M75	2 1/2"	A	37.0	36.0	52.5	19	94	90	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	711019	1.50
M75	2 1/2"	B	55.0	46.0	65.0	19	107	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	711020	2.04
M75	2 1/2"	C	60.0	57.0	78.0	19	116	110	0~1.5	2.0~3.5	*	*	711021	3.00
M90	3"	-	70.0	68.0	88.0	19	116	121	0~1.5	2.0~3.5	*	*	711022	3.52
M115	4"	-	90.0	83.0	103.0	19	120	137	0~1.5	2.0~3.5	*	*	711023	4.00

Selection table of steel pipe wiring (DQM-III/II-G)

Entry thread "M"	Entry thread "F"	Spec. code	Cable outer diameter		Minimum thread length H (mm)	Nominal protrusion length L (mm)	Across corners G (mm)	Armour/Braid(C)				Ordering code	Weight (kg)			
			A (mm)	B (mm)				Standard		Alternative (AR)						
								X	W	X	W					
M20	1/2"	M20	1/2"	A	10.0	5.5	12.0	15	77	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	711024	0.18
M20	1/2"	M20	1/2"	B	10.0	9.0	16.0	15	77	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	711025	0.18
M20	1/2"	M25	3/4"	C	13.0	12.5	20.5	15	79	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	711026	0.23
M25	3/4"	M20	1/2"	A	10.0	9.0	16.0	15	77	35	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	711027	0.21
M25	3/4"	M25	3/4"	B	13.0	12.5	20.5	15	79	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	711028	0.27
M25	3/4"	M32	1"	C	18.0	17.0	26.0	15	87	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	711029	0.34
M32	1"	M25	3/4"	A	13.0	12.5	20.5	15	79	42	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	711030	0.31
M32	1"	M32	1"	B	18.0	17.0	26.0	15	87	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	711031	0.38
M32	1"	M40	1 1/4"	C	24.0	22.0	33.0	15	93	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	711032	0.48
M40	1 1/4"	M32	1"	A	18.0	17.0	26.0	19	87	54	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	711033	0.45
M40	1 1/4"	M40	1 1/4"	B	24.0	22.0	33.0	19	93	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	711034	0.54
M40	1 1/4"	M50	1 1/2"	C	30.0	28.0	41.0	19	101	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	711035	0.74
M50	1 1/2"	M40	1 1/4"	A	24.0	22.0	33.0	19	93	65	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	711036	0.64
M50	1 1/2"	M50	1 1/2"	B	30.0	28.0	41.0	19	101	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	711037	0.88
M50	1 1/2"	M63	2"	C	37.0	36.0	52.5	19	113	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	711038	1.08
M63	2"	M50	1 1/2"	A	30.0	28.0	41.0	19	101	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	711039	0.98
M63	2"	M63	2"	B	37.0	36.0	52.5	19	113	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	711040	1.43
M63	2"	M75	2 1/2"	C	47.0	46.0	65.0	19	126	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	711041	2.00
M75	2 1/2"	M63	2"	A	37.0	36.0	52.5	19	113	90	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	711042	1.60
M75	2 1/2"	M75	2 1/2"	B	55.0	46.0	65.0	19	126	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	711043	2.18
M75	2 1/2"	M90	3"	C	60.0	57.0	78.0	19	135	110	0~1.5	2.0~3.5	*	*	711044	3.30
M90	3"	M115	4"	-	70.0	68.0	88.0	19	135	121	0~1.5	2.0~3.5	*	*	711045	3.90
M115	4"	M125	4 1/2"	-	90.0	83.0	103.0	19	139	137	0~1.5	2.0~3.5	*	*	711046	4.40

- Note:** 1. Standard material is nickel plated brass. Stainless steel is optional. Above weight is based upon nickel plated brass.
2. Earth lug, shroud and cable clamp on request. See P6/47~48.
3. Metric threads are 1.5mm pitch as standard, others thread pitch can be customized, please specify when ordering.

