

Cable Glands

DQM-I Series Explosion-proof Cable Glands (Ex eb IIC)

Metal Armored



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 2, Groups A, B, C, D
- ◆ Ex eb structure; available in stainless steel or nickel plated brass.
- ◆ Single seal, suitable for both armored cable.
- ◆ EMC Cable Gland. (360° contact) - EMC tested.

Technical data

Explosion-proof cable glands DQM-I (metal armored)

Explosion protection

Global (IECEX) IECEX EUT 17.0001X
 Gas and dust Ex eb IIC Gb
 Ex tb IIIC Db IP66 / IP67

Europe (ATEX) EPT 15 ATEX 1965

Gas and dust Ex II 2 G Ex e IIC Gb
 Ex II 2 D Ex tb IIIC Db IP66 / IP67

Certificates

IECEX; ATEX; CU-TR

Conformity to standards

EN 60079-0, EN 60079-7, EN 60079-31
 IEC 60079-0, IEC 60079-7, IEC 60079-31

Gland material

Stainless steel or nickel plated brass

Degree of protection

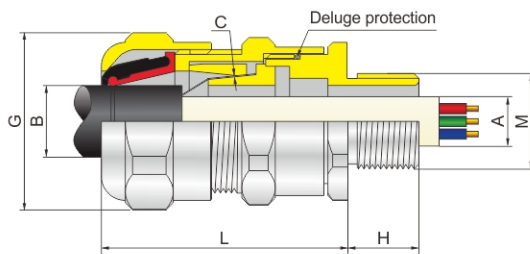
IP66 / IP67

Ambient temperature

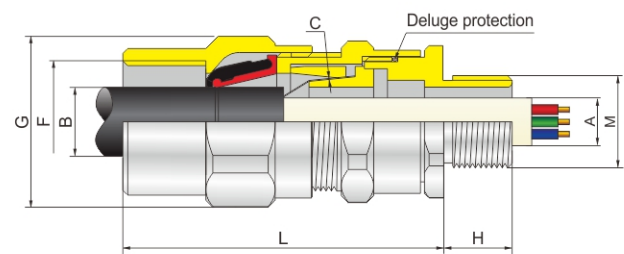
-60°C~+100°C

Connection thread

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



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Selection table of cable wiring

Entry thread "M"	Spec. code	Cable outer diameter A (mm)	Cable outer diameter B (mm)		Minimum thread length H (mm)	Nominal protrusion length L (mm)	Across corners G (mm)	Armour/Braid(C)				Ordering code	Weight (kg)	
			Max	Min				Standard		Alternative (AR)				
								X	W	X	W			
M20	1/2"	A	10.5	5.5	12.0	15	62	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	707001	0.15
M20	1/2"	B	10.5	9.0	16.0	15	62	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	707002	0.15
M20	1/2"	C	14.5	12.5	20.5	15	64	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	707003	0.19
M25	3/4"	A	10.5	9.0	16.0	15	62	35	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	707004	0.17
M25	3/4"	B	14.5	12.5	20.5	15	64	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	707005	0.21
M25	3/4"	C	19.5	17.0	26.0	15	68	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	707006	0.28
M32	1"	A	14.5	12.5	20.5	15	64	42	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	707007	0.24
M32	1"	B	19.5	17.0	26.0	15	68	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	707008	0.31
M32	1"	C	25.5	22.0	33.0	15	74	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	707009	0.39
M40	1 1/4"	A	19.5	17.0	26.0	19	68	54	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	707010	0.36
M40	1 1/4"	B	25.5	22.0	33.0	19	74	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	707011	0.43
M40	1 1/4"	C	31.0	28.0	41.0	19	82	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	707012	0.62
M50	1 1/2"	A	25.5	22.0	33.0	19	74	65	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	707013	0.50
M50	1 1/2"	B	31.0	28.0	41.0	19	82	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	707014	0.73
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	707015	0.93
M63	2"	A	31.0	28.0	41.0	19	82	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	707016	0.83
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	707017	1.15
M63	2"	C	49.0	46.0	65.0	19	107	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	707018	1.80
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	707019	1.35
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	707020	2.80
M75	2 1/2"	C	NPT: 60.0 M/G: 64.0	57.0	78.0	19	116	110	0~1.5	2.0~3.5	*	*	707021	3.30
M90	3"	-	75.0	68.0	88.0	19	116	121	0~1.5	2.0~3.5	*	*	707022	3.50
M115	4"	-	90.0	83.0	103.0	19	120	137	0~1.5	2.0~3.5	*	*	707023	3.70

Selection table of steel pipe wiring

Entry thread "M"	Entry thread "F"	Spec. code	Cable outer diameter A (mm)		Cable outer diameter B (mm)		Minimum thread length H (mm)	Nominal protrusion length L (mm)	Across corners G (mm)	Armour/Braid(C)				Ordering code	Weight (kg)	
			Max	Min	Max	Standard				Alternative (AR)						
						X				W	X	W				
M20	1/2"	M20	1/2"	A	10.5	5.5	12.0	15	77	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	707024	0.18
M20	1/2"	M20	1/2"	B	10.5	9.0	16.0	15	77	31	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	707025	0.18
M20	1/2"	M25	3/4"	C	14.5	12.5	20.5	15	79	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	707026	0.23
M25	3/4"	M20	1/2"	A	10.5	9.0	16.0	15	77	35	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	707027	0.20
M25	3/4"	M25	3/4"	B	14.5	12.5	20.5	15	79	37	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	707028	0.25
M25	3/4"	M32	1"	C	19.5	17.0	26.0	15	87	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	707029	0.32
M32	1"	M25	3/4"	A	14.5	12.5	20.5	15	79	42	0~0.6	0.8~1.4	0.4~1.0	1.0~1.6	707030	0.28
M32	1"	M32	1"	B	19.5	17.0	26.0	15	87	45	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	707031	0.36
M32	1"	M40	1 1/4"	C	25.5	22.0	33.0	15	93	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	707032	0.45
M40	1 1/4"	M32	1"	A	19.5	17.0	26.0	19	87	54	0~0.7	1.0~1.5	0.5~1.2	1.2~2.0	707033	0.41
M40	1 1/4"	M40	1 1/4"	B	25.5	22.0	33.0	19	93	54	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	707034	0.49
M40	1 1/4"	M50	1 1/2"	C	31.0	28.0	41.0	19	101	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	707035	0.70
M50	1 1/2"	M40	1 1/4"	A	25.5	22.0	33.0	19	93	65	0~0.8	1.0~1.5	0.5~1.4	1.4~2.3	707036	0.56
M50	1 1/2"	M50	1 1/2"	B	31.0	28.0	41.0	19	101	65	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	707037	0.81
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	707038	1.03
M63	2"	M50	1 1/2"	A	31.0	28.0	41.0	19	103	77	0~1.0	1.0~1.6	0.5~1.5	1.5~2.5	707039	0.91
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	707040	1.25
M63	2"	M75	2 1/2"	C	49.0	46.0	65.0	19	126	93	0~1.2	1.5~2.2	0.8~2.0	2.0~3.2	707041	1.92
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	707042	1.45
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	707043	2.95
M75	2 1/2"	M90	3"	C	NPT: 60.0 M/G: 64.0	57.0	78.0	19	135	110	0~1.5	2.0~3.5	*	*	707044	3.45
M90	3"	M115	4"	-	75.0	68.0	88.0	19	135	121	0~1.5	2.0~3.5	*	*	707045	3.75
M115	4"	M125	4 1/2"	-	90.0	83.0	103.0	19	139	137	0~1.5	2.0~3.5	*	*	707046	4.10

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

