

# Accessories for Installation

## Series EX-GJ Explosion-proof Connector



### Features

- Brass nickel plated, stainless steel or carbon steel galvanized.
- Powder coated surface treatment.
- Multiple types available.
- Degree of protection IP66-68.



### Application

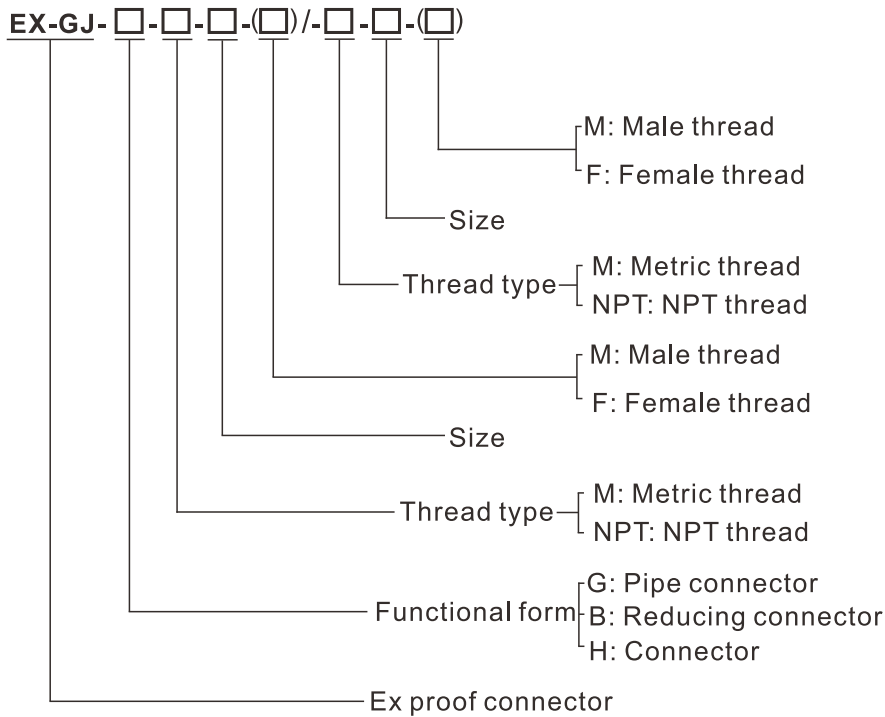
Zone	ATEX / IECEx						Division	UL1203					
	0	1	2	20	21	22		Class I		Class II		Class III	
For use in		x	x		x	x	1	2	1	2	1	2	
							x	x	x	x	x	x	

### Technical Data

Marking Atex	II2 G Ex d e IIC Gb II2 D Ex tb IIIC Db IP66-68
Marking IECEx	Ex d e IIC Gb Ex tb IIIC Db IP66-68
Marking UL1203	Class I, Division 1, Groups A, B, C, D Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III
Standards	EN60079-0, EN60079-1, EN60079-31, IEC60079-0, IEC60079-1, IEC60079-31, UL1203, UL50
Structure Type	F/F, M/M
Ambient Temperature	-60°C to +200°C
Funcional Type	Pipe connector, reducing connector, connector, plug

GJ

### Ordering Guide



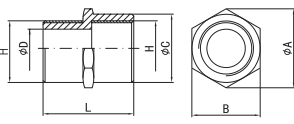
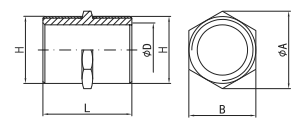
GJ

### Selection Table I

Model	Thread "H"		Size (mm)				
	Metric	NPT	A	B	C	D	L
<p>EX-GJ-I□□(F)/□□(F)</p>	M16×1.5	1/2"	-	-	-	-	-
	M20×1.5	1/2"	30	27	25	-	34
	M25×1.5	3/4"	36	32	31	-	34
	M32×1.5	1"	42	38	37	-	40
	M40×1.5	1 1/4"	52	47	46	-	40
	M50×1.5	1 1/2"	60	55	54	-	40
	M63×1.5	2"	72	68	65	-	42
	M75×1.5	2 1/2"	88	83	82	-	42
	M90×1.5	3"	100	95	94	-	42
	M100×2	-	-	-	-	-	-
	M115×1.5	4"	127	122	121	-	42
	M130×1.5	-	-	-	-	-	-

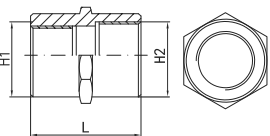
# Accessories for Installation

## Series EX-GJ Explosion-proof Connector

Model	Thread "H"		Size (mm)				
	Metric	NPT	A	B	C	D	L
 EX-GJ-I□□(M)/□□(F)	M16×1.5	1/2"	-	-	-	-	-
	M20×1.5	1/2"	30	27	25	13	36
	M25×1.5	3/4"	36	32	31	18	36
	M32×1.5	1"	42	38	37	25	42
	M40×1.5	1 1/4"	52	47	46	32	42
	M50×1.5	1 1/2"	60	55	54	38	42
	M63×1.5	2"	72	68	65	50	44
	M75×1.5	2 1/2"	88	83	82	65	44
	M90×2	3"	100	95	94	75	44
	M100×2	-	-	-	-	-	-
	M115×2	4"	127	122	121	100	44
	M130×2	-	-	-	-	-	-
	 EX-GJ-I□□(M)/□□(M)	M16×1.5	1/2"	-	-	-	-
M20×1.5		1/2"	30	27	-	13	36
M25×1.5		3/4"	36	32	-	18	36
M32×1.5		1"	42	38	-	25	42
M40×1.5		1 1/4"	52	47	-	32	42
M50×1.5		1 1/2"	60	55	-	38	42
M63×1.5		2"	72	68	-	50	42
M75×1.5		2 1/2"	88	83	-	65	42
M90×2		3"	100	95	-	75	44
M100×2		-	-	-	-	-	-
M115×2		4"	127	122	-	100	44
M130×2		-	-	-	-	-	-

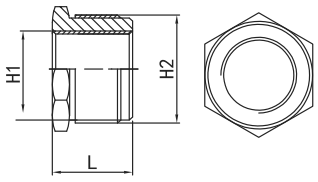
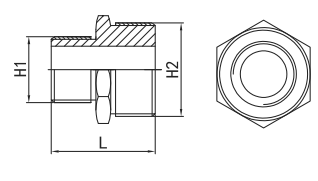
GJ

### Selection Table II

Model	Internal thread "H1"		Internal thread "H2"		Size(mm)
	Metric	NPT	Metric	NPT	
 EX-GJ-II□□(F)/□□(F)	M16×1.5	1/2"	M20×1.5	-	-
	M20×1.5	1/2"	M25×1.5	3/4"	34
	M25×1.5	3/4"	M32×1.5	1"	34
	M32×1.5	1"	M40×1.5	1 1/4"	40
	M40×1.5	1 1/4"	M50×1.5	1 1/2"	40
	M50×1.5	1 1/2"	M63×1.5	2"	40
	M63×1.5	2"	M75×2	2 1/2"	42
	M75×2	2 1/2"	M90×2	3"	42
	M90×2	3"	M115×2	4"	42
	M100×2	-	M130×2	-	-

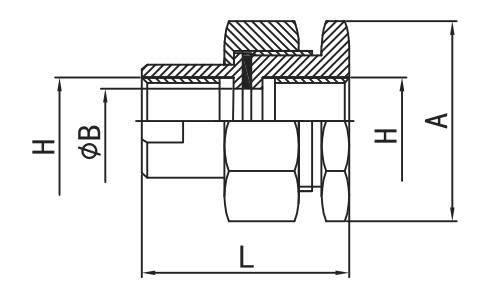
# Accessories for Installation

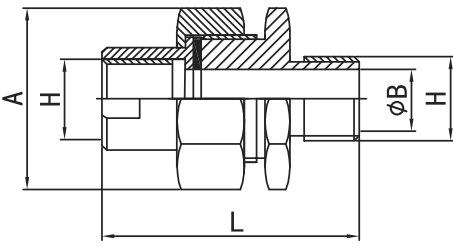
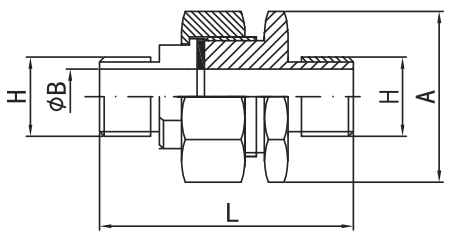
## Series EX-GJ Explosion-proof Connector

Model	Internalthread "H1"		Internalthread "H2"		Size(mm)
	Metric	NPT	Metric	NPT	
 EX-GJ-II □□(M)/□□(F)	M16×1.5	1/2"	M20×1.5	-	-
	M20×1.5	1/2"	M25×1.5	3/4"	24
	M25×1.5	3/4"	M32×1.5	1"	24
	M32×1.5	1"	M40×1.5	1 1/4"	34
	M40×1.5	1 1/4"	M50×1.5	1 1/2"	30
	M50×1.5	1 1/2"	M63×1.5	2"	33
	M63×1.5	2"	M75×2	2 1/2"	33
	M75×2	2 1/2"	M90×2	3"	33
	M90×2	3"	M115×2	4"	33
	M100×2	-	M130×2	-	-
 EX-GJ-II □□(M)/□□(M)	M16×1.5	1/2"	M20×1.5	-	-
	M20×1.5	1/2"	M25×1.5	3/4"	36
	M25×1.5	3/4"	M32×1.5	1"	36
	M32×1.5	1"	M40×1.5	1 1/4"	42
	M40×1.5	1 1/4"	M50×1.5	1 1/2"	42
	M50×1.5	1 1/2"	M63×1.5	2"	42
	M63×1.5	2"	M75×2	2 1/2"	44
	M75×2	2 1/2"	M90×2	3"	44
	M90×2	3"	M115×2	4"	44
	M115×2	-	M130×2	-	-

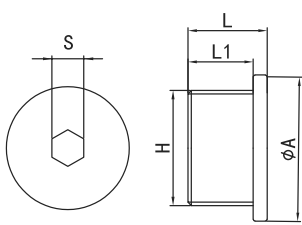
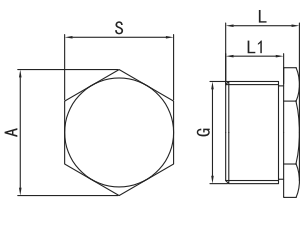
GJ

**Selection Table III**

Model	Thread		Size(mm)		
	Metric	NPT	A	B	L
 EX-GJ-III □□(F)/□□(F)	M16	1/2"	-	-	-
	M20	1/2"	38	15	40
	M25	3/4"	42	20	40
	M32	1"	47	25	46
	M40	1 1/4"	65	32	46
	M50	1 1/2"	73	38	46
	M63	2"	85	50	52
	M75	2 1/2"	108	65	52
	M90	3"	115	76	57
	M100	-	-	-	-
	M115	4"	145	100	57
	M130	-	-	-	-

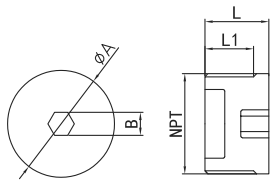
Model	Thread		Size(mm)			
	Metric	NPT	A	B	L	
 <p>EX-GJ-III□□(M)/□□(F)</p>	M16	1/2"	-	-	-	
	M20	1/2"	38	15	55	
	M25	3/4"	42	20	55	
	M32	1"	47	25	64	
	M40	1 1/4"	65	32	64	
	M50	1 1/2"	73	38	64	
	M63	2"	85	50	73	
	M75	2 1/2"	110	102	73	
	M90	3"	115	110	81	
	M100	-	-	-	-	-
	M115	4"	145	140	81	
	M130	-	-	-	-	-
 <p>EX-GJ-III□□(M)/□□(M)</p>	M16	1/2"	-	-	-	
	M20	1/2"	38	15	64	
	M25	3/4"	42	20	64	
	M32	1"	47	25	74	
	M40	1 1/4"	65	32	74	
	M50	1 1/2"	73	38	74	
	M63	2"	85	50	84	
	M75	2 1/2"	110	102	84	
	M90	3"	115	110	94	
	M100	-	-	-	-	-
	M115	4"	145	140	94	
	M130	-	-	-	-	-

**Selection Table of Stopping Plug**

Model	Thread		Size(mm)			
	Metric	NPT	A	S	L	L
 <p>Ex Stopping Plug</p>	M16	1/2"	-	-	-	-
	M20	1/2"	30	8	22	17
	M25	3/4"	36	-	-	-
	M32	1"	45	-	-	-
	M40	1 1/4"	54	-	-	-
	M50	1 1/2"	62	-	-	-
	M63	2"	77	-	-	-
	M75	2 1/2"	-	-	-	-
	M90	3"	-	-	-	-
	M100	3 1/2"	-	-	-	-
 <p>Ex Stopping Plug (Metric/G)</p>	M16	1/2"	-	-	-	-
	M20	1/2"	30	8	22	17
	M25	3/4"	36	-	-	-
	M32	1"	45	-	-	-
	M40	1 1/4"	54	-	-	-
	M50	1 1/2"	62	-	-	-
	M63	2"	77	-	-	-
	M75	2 1/2"	-	-	-	-
	M90	3"	-	-	-	-
	M100	3 1/2"	-	-	-	-
M115	4"	-	-	-	-	
M130	4 1/2"	-	-	-	-	

# Accessories for Installation

## Series EX-GJ Explosion-proof Connector

 <p>Ex Stopping Plug (NPT)</p>	Thread		Size(mm)			
	Metric	NPT	A	S	L	L
	M16	1/2"	-	-	-	-
M20	1/2"	30	8	22	17	
M25	3/4"	36	-	-	-	
M32	1"	45	-	-	-	
M40	1 1/4"	54	-	-	-	
M50	1 1/2"	62	-	-	-	
M63	2"	77	-	-	-	
M75	2 1/2"	-	-	-	-	
M90	3"	-	-	-	-	
M100	3 1/2"	-	-	-	-	
M115	4"	-	-	-	-	
M130	4 1/2"	-	-	-	-	

GJ

# Cable Glands

## Series EX-QM-A(EX e IIC)

### Plastic Unarmored Single Seal



#### Features

- Ex e, structure.
- Single seal, suitable for unarmored cable.
- Degree of protection: IP66



#### Application

Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in		x	x		x	x

#### Technical Data

Marking ATEX II2 G Ex eb IIC Gb  
 II2 D Ex tb IIIC Db IP66

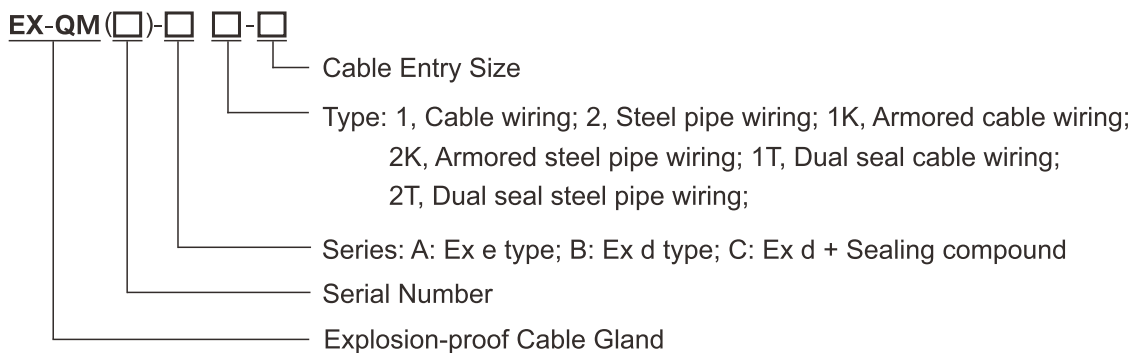
Marking IECEx Ex eb IIC Gb  
 Ex tb IIIC Db IP66

Standards EN60079-0, EN60079-7, IEC60079-0, IEC60079-7

Ambient Temperature -40°C to +95°C

Connection thread Metric thread

#### Ordering Guide



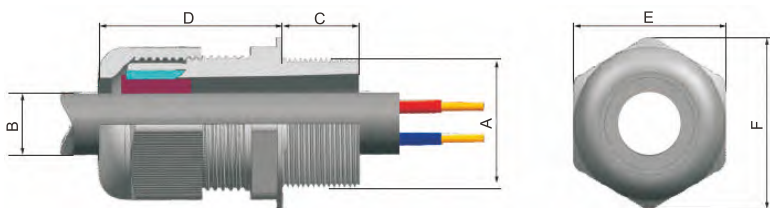
QM

**Selection table of Cable gland**

Gland Size	Entry thread "A"	Cable outer diameter B(MM)		Minimum thread length C (MM)	Nominal protrusion length D(MM)	Across flats E (MM)	Across corners F(MM)
		Min.	Max.				
16	M16*1.5	5	8	15	27	19	21
20	M20*1.5	6	10	15	29	24	26
25	M25*1.5	9	12	15	33	30	33
		12	16				
3/4	G 3/4"	9	12	15	33	30	33
		12	16				
32	M32*1.5	10	18	15	35	41	45
40	M40*1.5	17	25	14	46	50	55
50	M50*1.5	23	32	14	51	57	63
63	M63*1.5	32	44	15	51	70	78

Note: 1. Locking nut and sealing ring are provided.

**Schematic diagram**



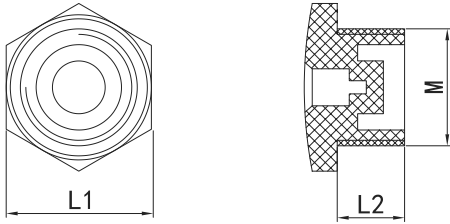
QM



**Selection table of stopping plug**

Size	Entry thread		Across flats L1(MM)	Minimum thread length L2(MM)	
	"M"	"NPT"		15	25
16	M16*1.5	1/2"	19	15	25
20	M20*1.5	1/2"	24	15	25
25	M25*1.5	3/4"	29	15	25
32	M32*1.5	1"	41	15	25
40	M40*1.5	1 1/4"	50	15	25
50	M50*1.5	1 1/2"	57	15	25
63	M63*1.5	2"	70	15	25

Note: 1. Lock nut (brass nickel plated) and sealing ring are provided.



QM

# Cable Glands

## Series EX-QM-A(EX e IIC)

### Metal Unarmored Single Seal



#### Features

- Ex e structure.
- Single seal, suitable for unarmored cable.
- Degree of protection: IP66/ IP67



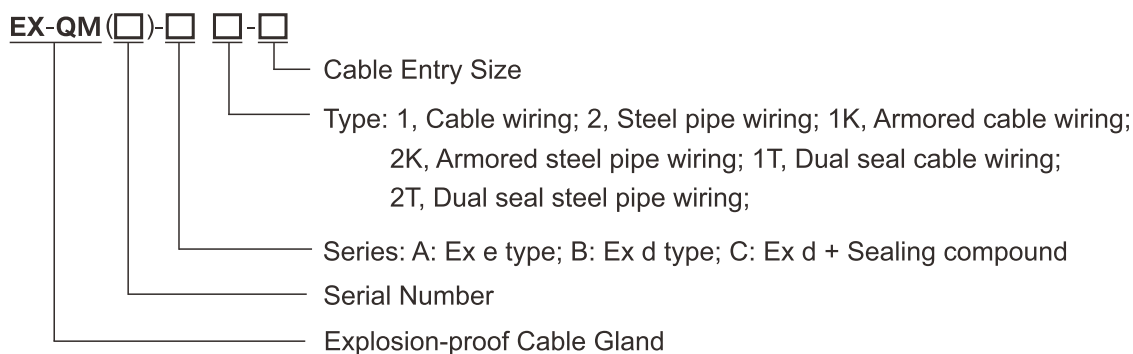
#### Application

Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in		x	x		x	x

#### Technical Data

Marking ATEX	II2 G Ex eb IIC Gb II2 D Ex tb IIIC Db IP66/ IP67
Marking IECEx	Ex eb IIC Gb Ex tb IIIC Db IP66/ IP67
Standards	EN60079-0, EN60079-7, EN60079-31, IEC60079-0, IEC60079-7, IEC60079-31
Ambient Temperature	-20°C to +100°C
Entry thread	Metric thread(Standard); NPT thread(Optional)

#### Ordering Guide



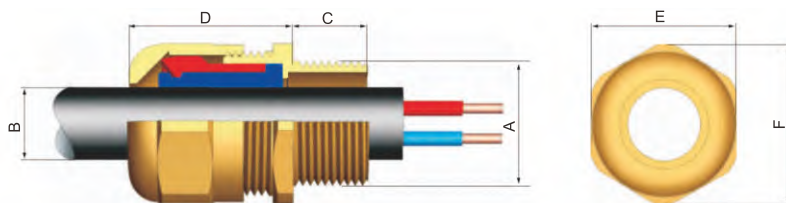
QM

**Selection Table**

Gland Size	Entry thread "A"		Cable outer diameter B(MM)		Minimum thread length (MM)	Nominal Protrusion length D(MM)	Across flats E(MM)	Across corners size F(MM)
	Metric	NPT	Min.	Max.				
16	M16	1/2"	-	-	-	-	-	-
20	M20	1/2"	5	10	15	33	27	30
25	M25	3/4"	9	14	15	33	32	35
32	M32	1"	13	18	19	37	38	41
40	M40	1 1/4"	17	24	19	40	47	50
50	M50	1 1/2"	22	32	19	40	55	60
63	M63	2"	31	44	19	53	68	72
75	M75	2 1/2"	43	56	19	53	80	85

Note: 1. Three materials such as brass nickel plated , stainless steel or carbon steel galvanized.  
 2. Nuts and sealing ring are provided.  
 3. The metric thread are 1.5mm pitch, other pitches can be customized. Please specify when ordering.

**Schematic Diagrams**



QM

# Cable Glands

## Series EX-QM-A(EX e IIC)

### Metal Armored Single Seal



#### Features

- Ex e structure.
- Single seal, suitable for both armored cable and unarmored cable.
- Degree of protection: IP66/ IP67



#### Application

Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in		x	x		x	x

#### Technical Data

Marking ATEX II 2 G Ex eb IIC Gb  
 II 2 D Ex tb IIIC Db IP66/ IP67

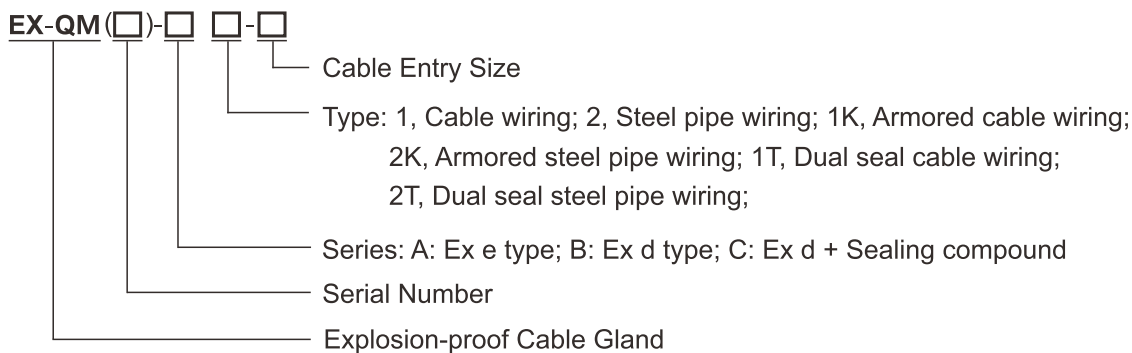
Marking IECEx Ex eb IIC Gb  
 Ex tb IIIC Db IP66/ IP67

Standards EN60079-0, EN60079-7, EN60079-31, IEC60079-0, IEC60079-7, IEC60079-31

Ambient Temperature -20°C to +100°C

Connection thread Metric thread(Standard); NPT thread(Optional)

#### Ordering Guide



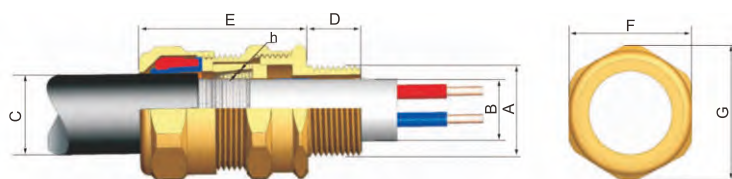
QM

**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 D (MM)	Across flats F (MM)	Across corners size G (MM)	Armored thickness range h (MM)
	Metric	NPT		Max.	Min.					
16	M16	1/2"	-	-	-	-	-	-	-	-
20A	M20	1/2"	10.5	5.5	12.0	15	51	28	31	0.3~1.0
20B	M20	1/2"	10.5	9.5	16.0	15	51	28	31	0.3~1.0
20C	M20	1/2"	14.5	12.5	20.5	15	53	34	37	0.3~1.0
25A	M25	3/4"	10.5	9.5	16.0	15	51	34	37	0.3~1.0
25B	M25	3/4"	14.5	12.5	20.5	15	53	34	37	0.3~1.0
25C	M25	3/4"	19.5	17.0	26.0	15	58	41	45	0.4~1.2
32A	M32	1"	14.5	12.5	20.5	19	53	41	45	0.4~1.2
32B	M32	1"	19.5	17.0	26.0	19	58	41	45	0.4~1.2
32C	M32	1"	25.5	22.0	33.0	19	62	49	54	0.4~1.4
40A	M40	1 1/4"	19.5	17.0	26.0	19	58	49	54	0.4~1.4
40B	M40	1 1/4"	25.5	22.0	33.0	19	62	49	54	0.6~1.9
40C	M40	1 1/4"	31.0	28.0	41.0	19	69	60	65	0.6~2.2
50A	M50	1 1/2"	25.5	22.0	33.0	19	62	60	65	0.6~2.2
50B	M50	1 1/2"	31.0	28.0	41.0	19	69	60	65	0.8~2.3
50C	M50	1 1/2"	37.0	36.0	52.5	19	77	72	77	0.8~2.3
63A	M63	2"	31.0	28.0	41.0	19	69	72	77	0.8~2.3
63B	M63	2"	37.0	36.0	52.5	19	77	72	77	0.9~2.4
63C	M63	2"	49.0	46.0	65.0	19	95	86	93	0.9~2.4
75A	M75	2 1/2"	37.0	36.0	52.5	19	77	84	90	0.9~2.4
75B	M75	2 1/2"	55.0	46.0	65.0	19	95	86	93	0.9~2.4
75C	M75	2 1/2"	64.0	57.0	78.0	19	100	102	110	0.9~2.4
90	M90	3"	75.0	68.0	88.0	19	100	112	121	0.9~2.4
100	M100	3 1/2"	-	-	-	-	-	-	-	-
115	M115	4"	90.0	83.0	103.0	19	106	127	137	0.9~2.8
130	M130	4 1/2"	-	-	-	-	-	-	-	-

QM

**Schematic diagram of cable wiring**

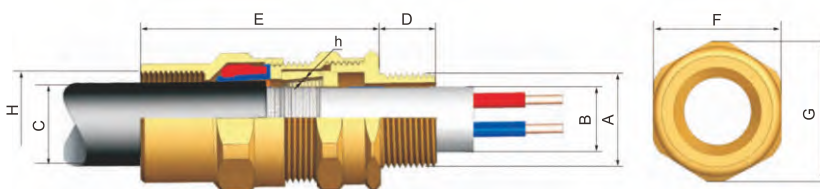


**Selection Table of steel pipe wiring**

Gland Size	Thread joint "A"		Thread joint "H"		Cable diameter B(MM)			Cable diameter C(MM)	Minimum thread length D(MM)	Nominal Protrusion length E(MM)	Across flats F(MM)	Across corners size G(MM)	Armored thickness range h(MM)
	Metric	NPT	Metric	NPT	Max.	Min.	Max.						
16	M16	1/2"	M20	1/2"	-	-	-	-	-	-	-	-	-
20A	M20	1/2"	M20	1/2"	10.5	5.5	12.0	15	66	28	31	0.3~1.0	
20B	M20	1/2"	M20	1/2"	10.5	9.5	16.0	15	66	28	31	0.3~1.0	
20C	M20	1/2"	M25	3/4"	14.5	12.5	20.5	15	66	34	37	0.3~1.0	
25A	M25	3/4"	M20	1/2"	10.5	9.5	16.0	15	66	34	37	0.3~1.0	
25B	M25	3/4"	M25	3/4"	14.5	12.5	20.5	15	68	34	37	0.3~1.0	
25C	M25	3/4"	M32	1"	19.5	17.0	26.0	15	73	41	45	0.4~1.2	
32A	M32	1"	M25	3/4"	14.5	12.5	20.5	19	68	41	45	0.4~1.2	
32B	M32	1"	M32	1"	19.5	17.0	26.0	19	77	41	45	0.4~1.2	
32C	M32	1"	M40	1 1/4"	25.5	22.0	33.0	19	77	49	54	0.4~1.4	
40A	M40	1 1/4"	M32	1"	19.5	17.0	26.0	19	77	49	54	0.4~1.4	
40B	M40	1 1/4"	M40	1 1/4"	25.5	22.0	33.0	19	81	49	54	0.6~1.9	
40C	M40	1 1/4"	M50	1 1/2"	31.0	28.0	41.0	19	89	60	65	0.6~2.2	
50A	M50	1 1/2"	M40	1 1/4"	25.5	22.0	33.0	19	81	60	65	0.6~2.2	
50B	M50	1 1/2"	M50	1 1/2"	31.0	28.0	41.0	19	88	60	65	0.8~2.3	
50C	M50	1 1/2"	M63	2"	37.0	36.0	52.5	19	97	72	77	0.8~2.3	
63A	M63	2"	M50	1 1/2"	31.0	28.0	41.0	19	86	72	77	0.8~2.3	
63B	M63	2"	M63	2"	37.0	36.0	52.5	19	97	72	77	0.9~2.4	
63C	M63	2"	M75	2 1/2"	49.0	46.0	65.0	19	112	86	93	0.9~2.4	
75A	M75	2 1/2"	M63	2"	37.0	36.0	52.5	19	96	84	90	0.9~2.4	
75B	M75	2 1/2"	M75	2 1/2"	55.0	46.0	65.0	19	112	86	93	0.9~2.4	
75C	M75	2 1/2"	M90	3"	64.0	57.0	78.0	19	119	102	110	0.9~2.4	
90	M90	3"	M115	4"	75.0	68.0	88.0	19	119	112	121	0.9~2.4	
100	M100	3 1/2"	M115	4"	-	-	-	-	-	-	-	-	
115	M115	4"	M125	4 1/2"	90.0	83.0	103.0	19	125	127	137	0.9~2.8	
130	M130	4 1/2"	-	-	-	-	-	-	-	-	-	-	

QM

**Schematic diagram of steel pipe wiring**





**Features**

- Ex d, Ex e structure.
- Single seal, suitable for both armored cable and unarmored cable.
- Degree of protection: IP66-IP68



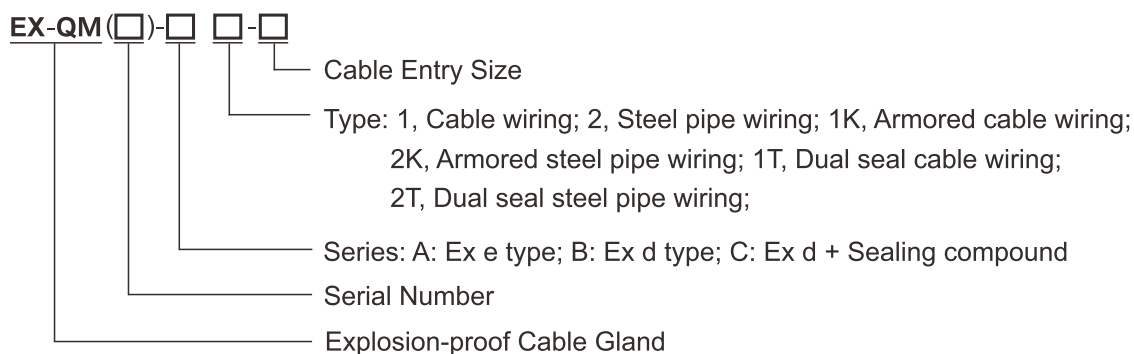
**Application**

Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in		x	x		x	x

**Technical Data**

Marking ATEX	II2 G Ex d e IIC Gb II2 D Ex tb IIIC Db IP66
Marking IECEx	Ex d e IIC Gb Ex tb IIIC Db IP66
Standards	EN60079-0, EN60079-1, EN60079-7, EN60079-31, IEC60079-0, EN60079-1, IEC60079-7, IEC60079-31
Degree of Protection	IP66-IP68
Ambient Temperature	-60°C to +100°C
Connection thread	Metric thread and NPT thread

**Ordering Guide**



QM

**Selection table of cable wiring**

Gland Size	Threaded joint "A"		Cable diameter B (MM)		Minimum thread length C(MM)	Nominal Protrusion length D(MM)	Across flats E(MM)	Across corners size F(MM)
	Metric	NPT	Min.	Max.				
16	M16	1/2"	-	-	-	-	-	-
20	M20	1/2"	6.5	10	16	37	30	34
25	M25	3/4"	10	14	16	40	36	41
32	M32	1"	11	18	16	40	41	46
40	M40	1 1/4"	14	23	16	45	50	55
50	M50	1 1/2"	20	27	16	50	60	65
63	M63	2"	25	34	16	57	70	75
75	M75	2 1/2"	38	57	19	65	102	110
90	M90	3"	55	67	19	85	110	115
100	M90	3 1/2"	-	-	-	-	-	-
115	M115	4"	48	80	19	105	140	145
130	M130	4 1/2"	-	-	-	-	-	-

**Selection table of steel pipe wiring**

Size	Threaded joint "A"		Threaded joint "H"		Cable diameter B (MM)		Minimum thread length C(MM)	Nominal Protrusion length D(MM)	Across flats E(MM)	Across corners size F(MM)
	Metric	NPT	Metric	NPT	Min.	Max.				
16	M16	1/2"	M16	1/2"	-	-	-	-	-	-
20	M20	1/2"	M20	1/2"	10	14	15	51	31	33
25	M25	3/4"	M25	3/4"	12	17	15	51	39	42
32	M32	1"	M32	1"	15	22	19	65	45	48
40	M40	1 1/4"	M40	1 1/4"	20	30	19	68	60	65
50	M50	1 1/2"	M50	1 1/2"	26	37	19	68	70	75
63	M63	2"	M63	2"	30	47	19	73	82	87
75	M75	2 1/2"	M75	2 1/2"	38	57	19	73	102	110
90	M90	3"	M90	3"	55	67	19	73	110	115
100	M90	3 1/2"	M90	-	-	-	-	-	-	-
115	M115	4"	M115	4"	48	80	19	78	140	145
130	M130	4 1/2"	M130	-	-	-	-	-	-	-

Note: 1. The standard material is Galvanised Carbon Steel. Stainless Steel and Nickel plated brass are optional.  
 2. The pitch of Metric thread is 1.5mm, other pitch of thread can be customized, please specify when ordering.

QM

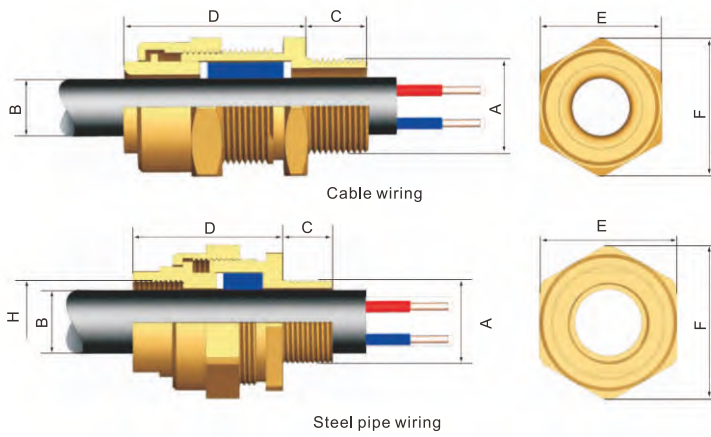


# Cable Glands

## Series EX-QM-B(EX e IIC EX e IIC)

### Metal Single Seal

#### Schematic diagram



QM

# Cable Glands

## Series EX-QM-B(EX d IIC EX e IIC)

### Metal Armored Dual Seal



#### Features

- Ex d, Ex e structure.
- Dual seal, suitable for armored cable.
- Degree of protection: IP66/IP67



#### Application

Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in		x	x		x	x

#### Technical Data

Marking ATEX II 2 G Ex d e IIC Gb  
 II 2 D Ex tb IIIC Db IP66

Marking IECEx Ex d e IIC Gb  
 Ex tb IIIC Db IP66

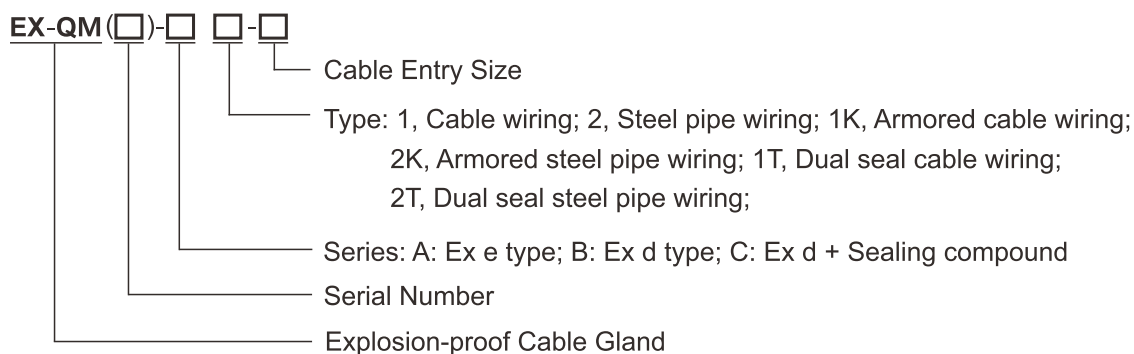
Standards EN60079-0, EN60079-1, EN60079-7, EN60079-31,  
 IEC60079-0, EN60079-1, IEC60079-7, IEC60079-31

Degree of Protection IP66/IP67(Optional)

Ambient Temperature -60°C to +100°C

Connection thread Metric thread and NPT thread

#### Ordering Guide



QM

# Cable Glands

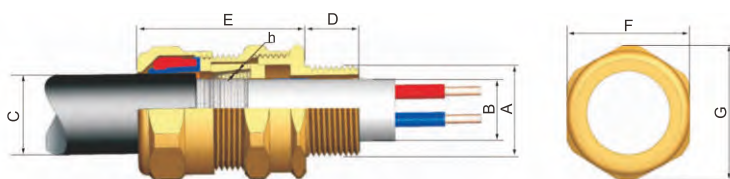
## Series EX-QM-B(EX d IIC EX e IIC)

### Metal Armored Dual Seal

#### Selection table of cable wiring

Gland Size	Threaded joint "A"		Cable diameter B (MM)				Cable diameter C (MM)		Minimum thread length D (MM)	Nominal Protrusion length E (MM)	Across flats F (MM)	Across corners size G (MM)	Armored thickness range h (MM)
			Standard Seal		Alternative Seal								
	Metric	NPT	Min.	Max.	Min.	Max.	Min.	Max.					
16	M16	1/2"	-	-	-	-	-	-	-	-	-	-	
20A	M20	1/2"	4.0	8.0	-	-	5.5	12.0	15	59	28	31	0.3~1.0
20B	M20	1/2"	6.5	10.5	-	-	9.5	16.0	15	59	28	31	0.3~1.0
20C	M20	1/2"	10	14.5	8.5	13.0	12.5	20.5	15	61	34	37	0.3~1.0
25A	M25	3/4"	6.5	10.5	-	-	9.5	16.0	15	59	34	37	0.3~1.0
25B	M25	3/4"	10.0	14.5	8.5	13.0	12.5	20.5	15	61	34	37	0.3~1.0
25C	M25	3/4"	12.5	19.5	9.5	15.5	17.0	26.0	15	68	41	45	0.4~1.2
32A	M32	1"	10	14.5	8.5	13.0	12.5	20.5	19	61	41	45	0.4~1.2
32B	M32	1"	12.5	19.5	9.5	15.5	17.0	26.0	19	68	41	45	0.4~1.2
32C	M32	1"	19	25.5	14.5	21.0	22.0	33.0	19	76	49	54	0.4~1.4
40A	M40	1 1/4"	12.5	19.5	9.5	15.5	17.0	26.0	19	68	49	54	0.4~1.4
40B	M40	1 1/4"	19.0	25.5	14.5	21.0	22.0	33.0	19	76	49	54	0.6~1.9
40C	M40	1 1/4"	25.0	32.0	22.0	28.0	28.0	41.0	19	83	60	65	0.6~2.2
50A	M50	1 1/2"	19.0	25.5	14.5	21.0	22.0	33.0	19	76	60	65	0.6~2.2
50B	M50	1 1/2"	25.0	32.0	22.0	28.0	28.0	41.0	19	83	60	65	0.8~2.3
50C	M50	1 1/2"	31.5	39.0	27.5	35.0	36.0	52.5	19	101	72	77	0.8~2.3
63A	M63	2"	25.0	32.0	22.0	28.0	28.0	41.0	19	83	72	77	0.8~2.3
63B	M63	2"	31.5	39.0	27.5	35.0	36.0	52.5	19	101	72	77	0.9~2.4
63C	M63	2"	42.5	50.0	39.0	46.5	46.0	65.0	19	112	86	93	0.9~2.4
75A	M75	2 1/2"	31.5	39.0	27.5	35.0	36.0	52.5	19	101	84	90	0.9~2.4
75B	M75	2 1/2"	42.5	55.5	39.0	46.5	46.0	65.0	19	112	86	93	0.9~2.4
75C	M75	2 1/2"	54.5	64.0	48.5	58.0	57.0	78.0	19	119	102	110	0.9~2.4
90	M90	3"	63.0	75.0	-	-	68.0	88.0	19	121	112	121	0.9~2.4
100	M100	3 1/2"	-	-	-	-	-	-	-	-	-	-	-
115	M115	4"	75.0	90.0	-	-	83.0	103.0	19	126	127	137	0.9~2.8
130	M130	4 1/2"	-	-	-	-	-	-	-	-	-	-	-

#### Schematic diagram of cable wiring

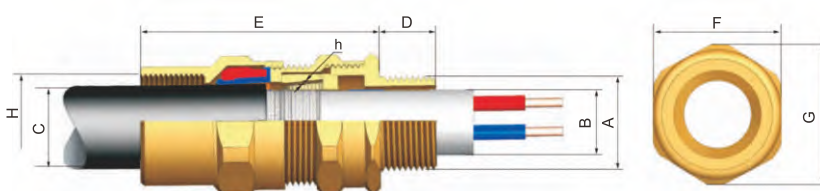


**Selection table of steel pipe wiring**

Gland Size	Threaded joint "A"		Threaded joint "H"		Cable diameter B (MM)				Cable diameter C (MM)		Minimum thread length D(MM)	Nominal Protusion length E(MM)	Across flats F(MM)	Across corners size G(MM)	Armored thickness range h(MM)
	Metric	NPT	Metric	NPT	Standard Seal		Alternative Seal		Min.	Max.					
					Min.	Max.	Min.	Max.							
16	M16	1/2"	M16	1/2"	-	-	-	-	-	-	-	-	-	-	-
20A	M20	1/2"	M20	1/2"	4.0	8.0	-	-	5.5	12.0	15	74	28	31	0.3~1.0
20B	M20	1/2"	M20	1/2"	6.5	10.5	-	-	9.5	16.0	15	74	28	31	0.3~1.0
20C	M20	1/2"	M25	3/4"	10	14.5	8.5	13.0	12.5	20.5	15	96	34	37	0.3~1.0
25A	M25	3/4"	M20	1/2"	6.5	10.5	-	-	9.5	16.0	15	74	34	37	0.3~1.0
25B	M25	3/4"	M25	3/4"	10.0	14.5	8.5	13.0	12.5	20.5	15	76	34	37	0.3~1.0
25C	M25	3/4"	M32	1"	12.5	19.5	9.5	15.5	17.0	26.0	15	83	41	45	0.4~1.2
32A	M32	1"	M25	3/4"	10	14.5	8.5	13.0	12.5	20.5	19	76	41	45	0.4~1.2
32B	M32	1"	M32	1"	12.5	19.5	9.5	15.5	17.0	26.0	19	87	41	45	0.4~1.2
32C	M32	1"	M40	1 1/4"	19	25.5	14.5	21.0	22.0	33.0	19	95	49	54	0.4~1.4
40A	M40	1 1/4"	M32	1"	12.5	19.5	9.5	15.5	17.0	26.0	19	87	49	54	0.4~1.4
40B	M40	1 1/4"	M40	1 1/4"	19.0	25.5	14.5	21.0	22.0	33.0	19	95	49	54	0.6~1.9
40C	M40	1 1/4"	M50	1 1/2"	25.0	32.0	22.0	28.0	28.0	41.0	19	103	60	65	0.6~2.2
50A	M50	1 1/2"	M40	1 1/4"	19.0	25.5	14.5	21.0	22.0	33.0	19	95	60	65	0.6~2.2
50B	M50	1 1/2"	M50	1 1/2"	25.0	32.0	22.0	28.0	28.0	41.0	19	103	60	65	0.8~2.3
50C	M50	1 1/2"	M63	2"	31.5	39.0	27.5	35.0	36.0	52.5	19	118	72	77	0.8~2.3
63A	M63	2"	M50	1 1/2"	25.0	32.0	22.0	28.0	28.0	41.0	19	103	72	77	0.8~2.3
63B	M63	2"	M63	2"	31.5	39.0	27.5	35.0	36.0	52.5	19	118	72	77	0.9~2.4
63C	M63	2"	M75	2 1/2"	42.5	50.0	39.0	46.5	46.0	65.0	19	131	86	93	0.9~2.4
75A	M75	2 1/2"	M63	2"	31.5	39.0	27.5	35.0	36.0	52.5	19	118	84	90	0.9~2.4
75B	M75	2 1/2"	M75	2 1/2"	42.5	55.5	39.0	46.5	46.0	65.0	19	131	86	93	0.9~2.4
75C	M75	2 1/2"	M90	3"	54.5	64.0	48.5	58.0	57.0	78.0	19	138	102	110	0.9~2.4
90	M90	3"	M115	4"	63.0	75.0	-	-	68.0	88.0	19	140	112	121	0.9~2.4
100	M100	3 1/2"	-	-	-	-	-	-	-	-	-	-	-	-	-
115	M115	4"	M125	4 1/2"	75.0	90.0	-	-	83.0	103.0	19	145	127	137	0.9~2.8
130	M130	4 1/2"	-	-	-	-	-	-	-	-	-	-	-	-	-

QM

**Schematic diagram of steel pipe wiring**



# Cable Glands

## Series EX-QM-C(EX d IIC EX e IIC)

### Metal Armored Dual Seal



#### Features

- Ex d, Ex e structure.
- Dual seal, suitable for armored cable.
- Degree of protection: IP66-IP68



#### Application

Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in		x	x		x	x

#### Technical Data

Marking ATEX II2 G Ex d e IIC Gb  
 II2 D Ex tb IIIC Db IP66

Marking IECEx Ex d e IIC Gb  
 Ex tb IIIC Db IP66

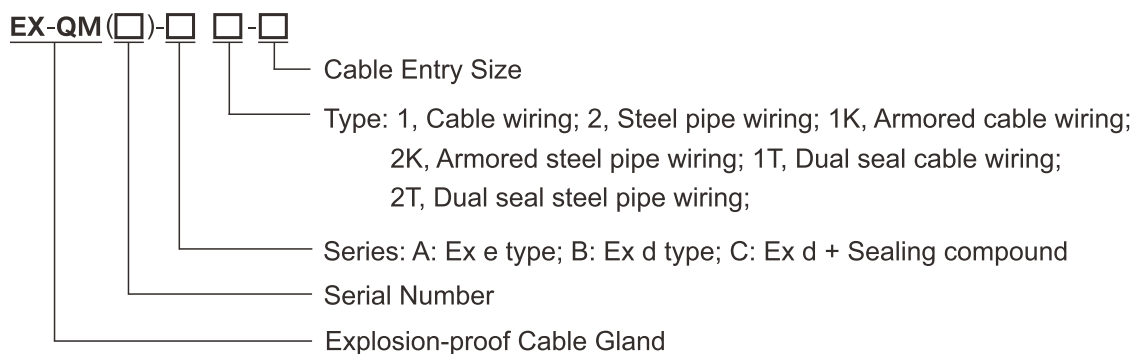
Standards EN60079-0, EN60079-1, EN60079-7, EN60079-31,  
 IEC60079-0, EN60079-1, IEC60079-7, IEC60079-31

Degree of Protection IP66-IP68

Ambient Temperature -60°C to +100°C

Connection thread Metric thread and NPT thread

#### Ordering Guide



QM

**Selection table of cable wiring**

Size	Threaded joint "A"		Cable diameter B (MM) Max.	Cable diameter C (MM)		Minimum thread length C (MM)	Nominal Protrusion length D (MM)	Across flats E (MM)	Across corners size F (MM)
	Metric	NPT		Min.	Max.				
16	M16	1/2"	-	-	-	-	-	-	-
20S	M20	1/2"	8	4	9	15	59	27	30
20	M20	1/2"	11	7	12	15	59	27	30
25	M25	3/4"	16	11	17	15	62	34	37
32	M32	1"	21	15	22	19	70	41	45
40S	M40	1 1/4"	25	22	27	19	77	51	55
40	M40	1 1/4"	25	27	32	19	77	51	55
50S	M50	1 1/2"	31	30	36	19	84	65	70
50	M50	1 1/2"	31	36	41	19	84	65	70
63	M63	2"	40	36	41	19	86	72	77
75	M75	2 1/2"	50	30	50	19	143	95	110
90	M90	3"	57	38	57	19	162	110	115
100	M100	3 1/2"	-	-	-	-	-	-	-
115	M115	4"	80	48	80	19	167	125	130
130	M130	4 1/2"	-	-	-	-	-	-	-

**Selection table of steel pipe wiring**

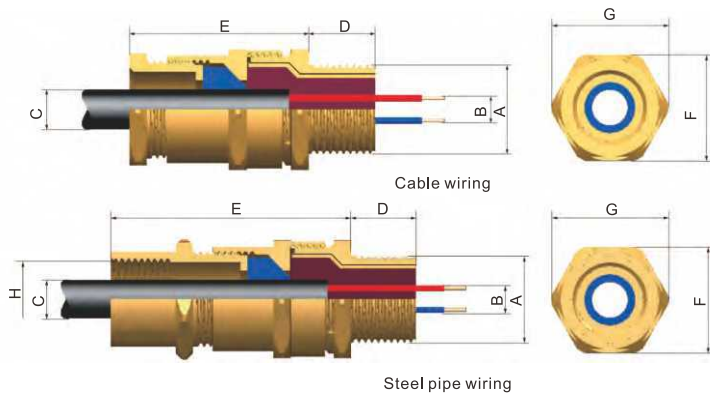
Size	Threaded joint "A"		Threaded joint "H"		Cable diameter B (MM) Max.	Cable diameter C (MM)		Minimum thread length D (MM)	Nominal Protrusion length E (MM)	Across flats F (MM)	Across corners size G (MM)
	Metric	NPT	Metric	NPT		Min.	Max.				
16	M16	1/2"	M16	1/2"	-	-	-	-	-	-	-
20S	M20	1/2"	M20	1/2"	8	4	9	15	75	27	30
20	M20	1/2"	M20	1/2"	11	7	12	15	75	27	30
25	M25	3/4"	M25	3/4"	16	11	17	15	75	34	37
32	M32	1"	M32	1"	21	15	22	19	88	41	45
40S	M40	1 1/4"	M40	1 1/4"	25	22	27	19	95	51	55
40	M40	1 1/4"	M40	1 1/4"	25	27	32	19	95	51	55
50S	M50	1 1/2"	M50	1 1/2"	31	30	36	19	102	65	70
50	M50	1 1/2"	M50	1 1/2"	31	36	41	19	102	65	70
63	M63	2"	M63	2"	40	36	41	19	104	72	77
75	M75	2 1/2"	M75	2 1/2"	50	30	50	19	161	95	100
90	M90	3"	M90	3"	57	38	57	19	180	110	115
100	M100	3 1/2"	M100	3 1/2"	-	-	-	-	-	-	-
115	M115		M115	4"	80	48	80	19	185	125	130
130	M130	4 1/2"	M130	4 1/2"	-	-	-	-	-	-	-

QM

# Cable Glands

Series EX-QM-C(EX d IIC EX e IIC)  
Metal Armored Dual Seal

## Schematic diagram



QM

# Cable Glands

## Series EX-QM-C(EX d IIC EX e IIC)

### Metal Armored Dual Seal with Compound Barrier



#### Features

- Ex d, Ex e structure.
- With dual sealing ring and sealing compound, suitable for armored cable.
- Degree of protection: IP66/IP67



#### Application

Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in		x	x		x	x

#### Technical Data

Marking ATEX II2 G Ex d e IIC Gb  
 II2 D Ex tb IIIC Db IP66

Marking IECEx Ex d e IIC Gb  
 Ex tb IIIC Db IP66

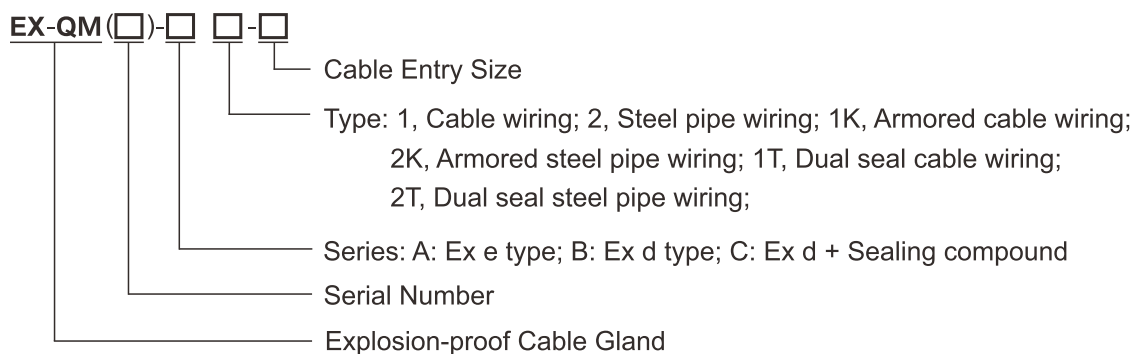
Standards EN60079-0, EN60079-1, EN60079-7, EN60079-31,  
 IEC60079-0, EN60079-1, IEC60079-7, IEC60079-31

Degree of Protection IP66/IP67(Optional)

Ambient Temperature -60°C to +100°C

Connection thread Metric thread and NPT thread

#### Ordering Guide



QM



# Cable Glands

## Series EX-QM-C(EX d IIC EX e IIC)

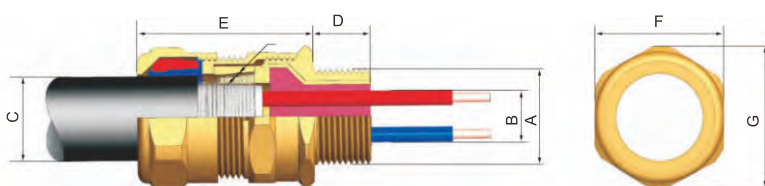
### Metal Armored Dual Seal with Compound Barrier

#### Selection table of cable wiring

Size	Threaded joint "A"		Cable diameter B (MM)	Cable diameter C (MM)		Minimum thread length D (MM)	Nominal Protrusion length E (MM)	Across flats F (MM)	Across corners size G (MM)	Armor thickness range H (MM)
	Metric	NPT	Max.	Min.	Max.					
16	M16	1/2"	-	-	-	-	-	-	-	-
20A	M20	1/2"	10.0	5.5	12.0	15	51	28	31	0.3~1.0
20B	M20	1/2"	10.0	9.5	16.0	15	51	28	31	0.3~1.0
20C	M20	1/2"	13.0	12.5	20.5	15	53	34	37	0.3~1.0
25A	M25	3/4"	10.0	9.5	16.0	15	51	34	37	0.3~1.0
25B	M25	3/4"	13.0	12.5	20.5	15	53	34	37	0.3~1.0
25C	M25	3/4"	18.0	17.0	26.0	15	58	41	45	0.4~1.2
32A	M32	1"	13.0	12.5	20.5	19	53	41	45	0.4~1.2
32B	M32	1"	18.0	17.0	26.0	19	58	41	45	0.4~1.2
32C	M32	1"	24.0	22.0	33.0	19	62	49	54	0.4~1.4
40A	M40	1 1/4"	18.0	17.0	26.0	19	58	49	54	0.4~1.4
40B	M40	1 1/4"	24.0	22.0	33.0	19	62	49	54	0.6~1.9
40C	M40	1 1/4"	30.0	28.0	41.0	19	69	60	65	0.6~2.2
50A	M50	1 1/2"	24.0	22.0	33.0	19	62	60	65	0.6~2.2
50B	M50	1 1/2"	30.0	28.0	41.0	19	69	60	65	0.8~2.3
50C	M50	1 1/2"	37.0	36.0	52.5	19	77	72	77	0.8~2.3
63A	M63	2"	30.0	28.0	41.0	19	69	72	77	0.8~2.3
63B	M63	2"	37.0	36.0	52.5	19	77	72	77	0.9~2.4
63C	M63	2"	47.0	46.0	65.0	19	95	86	93	0.9~2.4
75A	M75	2 1/2"	37.0	36.0	52.5	19	77	84	90	0.9~2.4
75B	M75	2 1/2"	55.0	46.0	65.0	19	95	86	93	0.9~2.4
75C	M75	2 1/2"	60.0	57.0	78.0	19	100	102	110	0.9~2.4
90	M90	3"	70.0	68.0	88.0	19	100	112	121	0.9~2.4
100	M90	3 1/2"	-	-	-	-	-	-	-	-
115	M115	4"	90.0	83.0	103.0	19	106	127	137	0.9~2.8
130	M130	4 1/2"	-	-	-	-	-	-	-	-

QM

#### Schematic diagram of cable wiring



# Cable Glands

## Series EX-QM-C(EX d IIC EX e IIC)

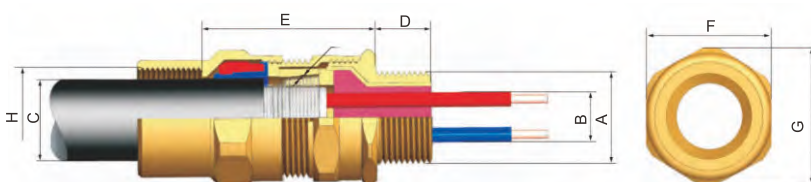
### Metal Armored Dual Seal with Compound Barrier

#### Selection table of steel pipe wiring

Size	Threaded joint "A"		Threaded joint "H"		Cable diameter C(MM)		Minimum thread length D(MM)	Nominal Protrusion length E(MM)	Across flats F(MM)	Across corners size G(MM)	Armor thickness range H(MM)	
	Metric	NPT	Metric	NPT	Max.	Min.						Max.
16	M16	1/2"	M16	1/2"	-	-	-	-	-	-	-	
20A	M20	1/2"	M20	1/2"	10.0	5.5	12.0	15	74	28	31	0.3~1.0
20B	M20	1/2"	M20	1/2"	10.0	9.5	16.0	15	74	28	31	0.3~1.0
20C	M20	1/2"	M25	3/4"	13.0	12.5	20.5	15	96	34	37	0.3~1.0
25A	M25	3/4"	M20	1/2"	10.0	9.5	16.0	15	74	34	37	0.3~1.0
25B	M25	3/4"	M25	3/4"	13.0	12.5	20.5	15	76	34	37	0.3~1.0
25C	M25	3/4"	M32	1"	18.0	17.0	26.0	15	83	41	45	0.4~1.2
32A	M32	1"	M25	3/4"	13.0	12.5	20.5	19	76	41	45	0.4~1.2
32B	M32	1"	M32	1"	18.0	17.0	26.0	19	87	41	45	0.4~1.2
32C	M32	1"	M40	1 1/4"	24.0	22.0	33.0	19	95	49	54	0.4~1.4
40A	M40	1 1/4"	M32	1"	18.0	17.0	26.0	19	87	49	54	0.4~1.4
40B	M40	1 1/4"	M40	1 1/4"	24.0	22.0	33.0	19	95	49	54	0.6~1.9
40C	M40	1 1/4"	M50	1 1/2"	30.0	28.0	41.0	19	103	60	65	0.6~2.2
50A	M50	1 1/2"	M40	1 1/4"	24.0	22.0	33.0	19	95	60	65	0.6~2.2
50B	M50	1 1/2"	M50	1 1/2"	30.0	28.0	41.0	19	103	60	65	0.8~2.3
50C	M50	1 1/2"	M63	2"	37.0	36.0	52.5	19	118	72	77	0.8~2.3
63A	M63	2"	M50	1 1/2"	30.0	28.0	41.0	19	103	72	77	0.8~2.3
63B	M63	2"	M63	2"	37.0	36.0	52.5	19	118	72	77	0.9~2.4
63C	M63	2"	M75	2 1/2"	47.0	46.0	65.0	19	131	86	93	0.9~2.4
75A	M75	2 1/2"	M63	2"	37.0	36.0	52.5	19	118	84	90	0.9~2.4
75B	M75	2 1/2"	M75	2 1/2"	55.0	46.0	65.0	19	131	86	93	0.9~2.4
75C	M75	2 1/2"	M90	3"	60.0	57.0	78.0	19	138	102	110	0.9~2.4
90	M90	3"	M115	4"	70.0	68.0	88.0	19	140	112	121	0.9~2.4
100	M100	3 1/2"	M125	4 1/2"	-	-	-	-	-	-	-	-
115	M115	4"	M125	4 1/2"	90.0	83.0	103.0	19	145	127	137	0.9~2.8
130	M130	4 1/2"	M140	5"	-	-	-	-	-	-	-	-

QM

#### Schematic diagram of steel pipe wiring





### Features

- Explosion proof, dust ignition proof and water tight.
- Stainless steel body and connectors at both ends in stainless steel.
- Heavy duty design to resist mechanical abuse.
- Custom lengths and thread pitches available.
- Degree of protection IP66



### Application

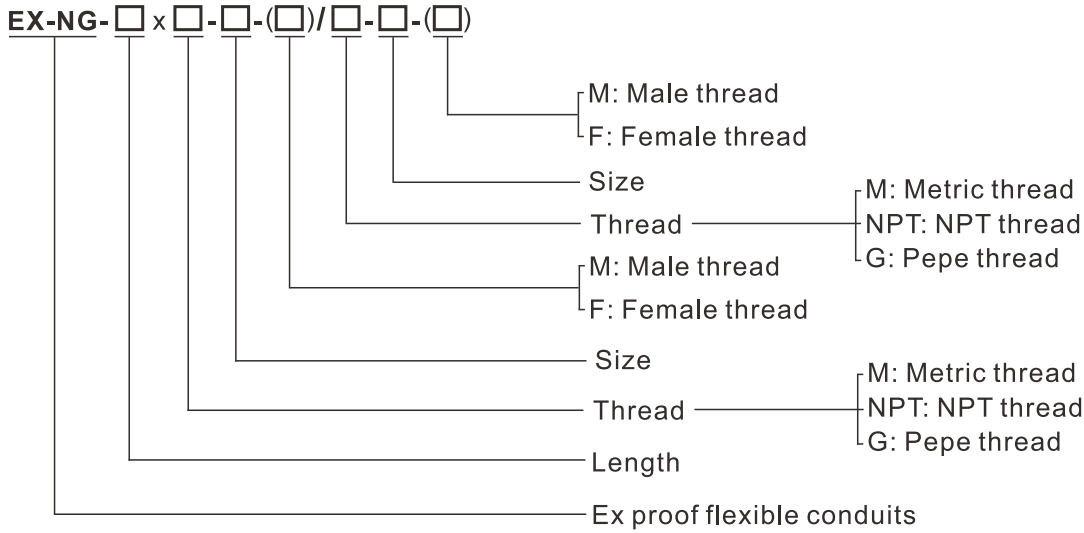
	ATEX / IECEx					
Zone	0	1	2	20	21	22
For use in		x	x		x	x

	UL1203					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
For use in	x	x	x	x	x	x

### Technical Data

Marking Atex	II2 G Ex d IIC T4/T5 Gb II2 D Ex tb IIIC T135°C Db IP66
Marking IECEx	Ex d IIC T4/T5 Gb Ex tb IIIC T135°C Db IP66
Marking UL1203	Class I, Division 1, Groups A, B, C, D Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III
Standards	EN60079-0, EN60079-1, EN60079-31, IEC60079-0, IEC60079-1, IEC60079-31, UL1203, UL50
Ambient Temperature	-60°C to +80°C
Connection Thread	Metric thread is standard type. NPT or other threads are optional. The standard thread pitch of metric thread is 15mm. Other thread pitch can be customized. Please specify when ordering.
Type	F/F, M/F, M/M

### Ordering Guide

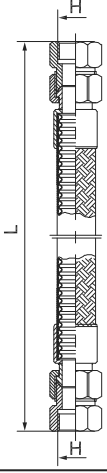


NG

### Selection Table

Version	Internal Diameter (MM)	Pipe connector thread "H"		Length (MM)	Minimum Bending Radius (MM)
		Metric	NPT		
	15	M20	NPT 1/2"	700	80
	15	M20	NPT 1/2"	1000	80
	20	M25	NPT 3/4"	700	110
	20	M25	NPT 3/4"	1000	110
	25	M32	NPT 1"	700	145
	25	M32	NPT 1"	1000	145
	32	M40	NPT 1 1/4"	700	180
	32	M40	NPT 1 1/4"	1000	180
	40	M50	NPT 1 1/2"	700	210
	40	M50	NPT 1 1/2"	1000	210
	50	M63	NPT 2"	700	250
	50	M63	NPT 2"	1000	250
	15	M20	NPT 1 1/2"	700	80
	15	M20	NPT 1 1/2"	1000	80
	20	M25	NPT 3/4"	700	110
	20	M25	NPT 3/4"	1000	110
	25	M32	NPT 1"	700	145
	25	M32	NPT 1"	1000	145
	32	M40	NPT 1 1/4"	700	180
	32	M40	NPT 1 1/4"	1000	180
	40	M50	NPT 1 1/2"	700	210
	40	M50	NPT 1 1/2"	1000	210
	50	M63	NPT 2"	700	250
	50	M63	NPT 2"	1000	250

### Selection Table

Version	Internal Diameter (MM)	Pipe connector thread "H"		Length (MM)	Minimum Bending Radius (MM)
		Metric	NPT		
	15	M20	NPT 1 1/2"	700	80
	15	M20	NPT 1 1/2"	1000	80
	20	M25	NPT 3/4"	700	110
	20	M25	NPT 3/4"	1000	110
	25	M32	NPT 1"	700	145
	25	M32	NPT 1"	1000	145
	32	M40	NPT 1 1/4"	700	180
	32	M40	NPT 1 1/4"	1000	180
	40	M50	NPT 1 1/2"	700	210
	40	M50	NPT 1 1/2"	1000	210
	50	M63	NPT 2"	700	250
	50	M63	NPT 2"	1000	250

Note: The lengths of flexible conduits can be customized. Please specify when ordering.

NG