

## Cable Glands

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

#### Armored Dual Seal



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.
- ◆ Dual seal, suitable for both armored and unarmored cable.
- ◆ EMC Cable Gland. (360° contact) - EMC tested.
- ◆ For particular use with: cables that exhibit "cold flow" characteristics.

#### Technical data

##### Explosion-proof cable glands DQM-II (armored dual seal)

###### Explosion protection

Global (IECEX)  
Gas and dust

IECEX LCI 08.0011X

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIIC Db IP66

Europe (ATEX)

LCIE 06 ATEX 6100X

Gas and dust

Ex II 2 G Ex d IIC Gb

Ex II 2 G Ex e IIC Gb

Ex 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

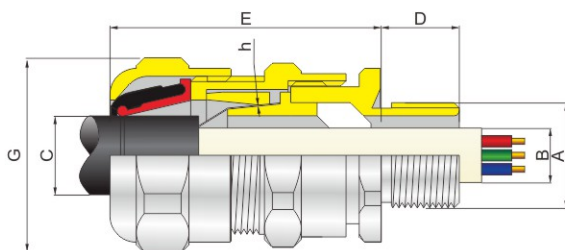
IP66 (IP67 optional)

###### Ambient temperature

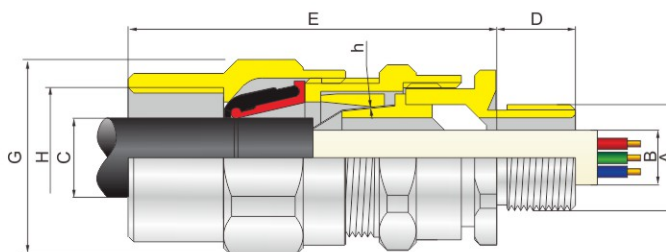
-60°C~+100°C

###### Connection thread

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



Cable wiring



Steel pipe wiring

## Cable Glands

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

## Armored Dual Seal

Selection table of cable wiring

| Gland size | Entry thread<br>“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) |
|------------|---------------------|--------|-----------------------------|------|------------------|------|-----------------------------|-------|------------------------------|----------------------------------|-----------------------|-----------------|---------|---------------|-------------|
|            |                     |        | Standard Seal               |      | Alternative Seal |      |                             |       |                              |                                  |                       |                 |         |               |             |
|            | Metric              | NPT/G  | Min                         | Max  | Min              | Max  | Min                         | Max   |                              |                                  |                       |                 |         |               |             |
| 20A        | M20                 | 1/2"   | 4.0                         | 8.0  | -                | -    | 5.5                         | 12.0  | 15                           | 59                               | 31                    | 0~0.6           | 0.8~1.4 | 709001        | 0.12        |
| 20B        | M20                 | 1/2"   | 6.5                         | 10.5 | -                | -    | 9.0                         | 16.0  | 15                           | 59                               | 31                    | 0~0.6           | 0.8~1.4 | 709002        | 0.15        |
| 20C        | M20                 | 1/2"   | 10                          | 14.5 | 8                | 12.0 | 12.5                        | 20.5  | 15                           | 61                               | 37                    | 0~0.6           | 0.8~1.4 | 709003        | 0.15        |
| 25A        | M25                 | 3/4"   | 6.5                         | 10.5 | -                | -    | 9.0                         | 16.0  | 15                           | 59                               | 37                    | 0~0.6           | 0.8~1.4 | 709004        | 0.15        |
| 25B        | M25                 | 3/4"   | 10.0                        | 14.5 | 8                | 12.0 | 12.5                        | 20.5  | 15                           | 61                               | 37                    | 0~0.6           | 0.8~1.4 | 709005        | 0.19        |
| 25C        | M25                 | 3/4"   | 14.5                        | 19.5 | 11               | 15.5 | 17.0                        | 26.0  | 15                           | 68                               | 45                    | 0~0.7           | 1.0~1.7 | 709006        | 0.18        |
| 32A        | M32                 | 1"     | 10                          | 14.5 | 8                | 12.0 | 12.5                        | 20.5  | 19                           | 61                               | 45                    | 0~0.6           | 0.8~1.4 | 709007        | 0.18        |
| 32B        | M32                 | 1"     | 14.5                        | 19.5 | 11               | 15.5 | 17.0                        | 26.0  | 19                           | 68                               | 45                    | 0~0.7           | 1.0~1.7 | 709008        | 0.22        |
| 32C        | M32                 | 1"     | 19                          | 25.5 | 17               | 21.5 | 22.0                        | 33.0  | 19                           | 76                               | 54                    | 0~0.8           | 1.0~1.7 | 709009        | 0.30        |
| 40A        | M40                 | 1 1/4" | 14.5                        | 19.5 | 11               | 15.5 | 17.0                        | 26.0  | 19                           | 68                               | 54                    | 0~0.7           | 1.0~1.7 | 709010        | 0.30        |
| 40B        | M40                 | 1 1/4" | 19.0                        | 25.5 | 17               | 21.5 | 22.0                        | 33.0  | 19                           | 76                               | 54                    | 0~0.8           | 1.0~1.7 | 709011        | 0.40        |
| 40C        | M40                 | 1 1/4" | 25.0                        | 32.0 | 22.0             | 28.0 | 28.0                        | 41.0  | 19                           | 83                               | 65                    | 0~1.0           | 1.0~2.0 | 709012        | 0.40        |
| 50A        | M50                 | 1 1/2" | 19.0                        | 25.5 | 17               | 21.5 | 22.0                        | 33.0  | 19                           | 76                               | 65                    | 0~0.8           | 1.0~1.7 | 709013        | 0.40        |
| 50B        | M50                 | 1 1/2" | 25.0                        | 32.0 | 22.0             | 28.0 | 28.0                        | 41.0  | 19                           | 83                               | 65                    | 0~1.0           | 1.0~2.0 | 709014        | 0.60        |
| 50C        | M50                 | 1 1/2" | 31.5                        | 39.0 | 27.5             | 35.0 | 36.0                        | 52.5  | 19                           | 101                              | 77                    | 0~1.0           | 1.0~2.0 | 709015        | 0.80        |
| 63A        | M63                 | 2"     | 25.0                        | 32.0 | 22.0             | 28.0 | 28.0                        | 41.0  | 19                           | 83                               | 77                    | 0~1.0           | 1.0~2.0 | 709016        | 0.90        |
| 63B        | M63                 | 2"     | 31.5                        | 39.0 | 27.5             | 35.0 | 36.0                        | 52.5  | 19                           | 101                              | 77                    | 0~1.0           | 1.0~2.0 | 709017        | 1.00        |
| 63C        | M63                 | 2"     | 42.5                        | 50.0 | 39.0             | 46.5 | 46.0                        | 65.0  | 19                           | 112                              | 93                    | 0~1.2           | 1.5~2.7 | 709018        | 1.20        |
| 75A        | M75                 | 2 1/2" | 31.5                        | 39.0 | 27.5             | 35.0 | 36.0                        | 52.5  | 19                           | 101                              | 90                    | 0~1.0           | 1.0~2.0 | 709019        | 2.50        |
| 75B        | M75                 | 2 1/2" | 42.5                        | 55.5 | 39.0             | 46.5 | 46.0                        | 65.0  | 19                           | 112                              | 93                    | 0~1.2           | 1.5~2.7 | 709020        | 2.80        |
| 75C        | M75                 | 2 1/2" | 54.5                        | 64.0 | 48.5             | 58.0 | 57.0                        | 78.0  | 19                           | 119                              | 110                   | 0~1.5           | 2.0~3.5 | 709021        | 2.90        |
| 90         | M90                 | 3"     | 63.0                        | 75.0 | -                | -    | 68.0                        | 88.0  | 19                           | 121                              | 121                   | 0~1.5           | 2.0~3.5 | 709022        | 3.90        |
| 115        | M115                | 4"     | 75.0                        | 90.0 | -                | -    | 83.0                        | 103.0 | 19                           | 126                              | 137                   | 0~1.5           | 2.0~3.5 | 709023        | 4.55        |

Selection table of steel pipe wiring

| Gland<br>size | Entry<br>thread “A” |        | Entry<br>thread “H” |        | Cable outer diameter B (mm) |      |                  |      | Cable outer<br>diameter<br>C (mm) |       | Minimum<br>thread<br>length<br>D (mm) | Nominal<br>protrusion<br>length<br>E (mm) | Across<br>corners<br>G (mm) | Armour/Braid(h) |         | Ordering<br>code | Weight<br>(kg) |
|---------------|---------------------|--------|---------------------|--------|-----------------------------|------|------------------|------|-----------------------------------|-------|---------------------------------------|-------------------------------------------|-----------------------------|-----------------|---------|------------------|----------------|
|               | Metric              | NPT/G  | Metric              | NPT/G  | Standard Seal               |      | Alternative Seal |      | Min                               | Max   |                                       |                                           |                             |                 |         |                  |                |
|               |                     |        |                     |        | Min                         | Max  | Min              | Max  |                                   |       |                                       |                                           |                             |                 |         |                  |                |
| 20A           | M20                 | 1/2"   | M20                 | 1/2"   | 4.0                         | 8.0  | -                | -    | 5.5                               | 12.0  | 15                                    | 74                                        | 31                          | 0~0.6           | 0.8~1.4 | 709024           | 0.15           |
| 20B           | M20                 | 1/2"   | M20                 | 1/2"   | 6.5                         | 10.5 | -                | -    | 9.0                               | 16.0  | 15                                    | 74                                        | 31                          | 0~0.6           | 0.8~1.4 | 709025           | 0.20           |
| 20C           | M20                 | 1/2"   | M25                 | 3/4"   | 10                          | 14.5 | 8                | 12   | 12.5                              | 20.5  | 15                                    | 96                                        | 37                          | 0~0.6           | 0.8~1.4 | 709026           | 0.20           |
| 25A           | M25                 | 3/4"   | M20                 | 1/2"   | 6.5                         | 10.5 | -                | -    | 9.0                               | 16.0  | 15                                    | 74                                        | 37                          | 0~0.6           | 0.8~1.4 | 709027           | 0.20           |
| 25B           | M25                 | 3/4"   | M25                 | 3/4"   | 10                          | 14.5 | 8                | 12   | 12.5                              | 20.5  | 15                                    | 76                                        | 37                          | 0~0.6           | 0.8~1.4 | 709028           | 0.24           |
| 25C           | M25                 | 3/4"   | M32                 | 1"     | 14.5                        | 19.5 | 11               | 15.5 | 17.0                              | 26.0  | 15                                    | 83                                        | 45                          | 0~0.7           | 1.0~1.7 | 709029           | 0.27           |
| 32A           | M32                 | 1"     | M25                 | 3/4"   | 10                          | 14.5 | 8                | 12   | 12.5                              | 20.5  | 19                                    | 76                                        | 45                          | 0~0.6           | 0.8~1.4 | 709030           | 0.28           |
| 32B           | M32                 | 1"     | M32                 | 1"     | 14.5                        | 19.5 | 11               | 15.5 | 17.0                              | 26.0  | 19                                    | 87                                        | 45                          | 0~0.7           | 1.0~1.7 | 709031           | 0.27           |
| 32C           | M32                 | 1"     | M40                 | 1 1/4" | 19                          | 25.5 | 17               | 21.5 | 22.0                              | 33.0  | 19                                    | 95                                        | 54                          | 0~0.8           | 1.0~1.7 | 709032           | 0.33           |
| 40A           | M40                 | 1 1/4" | M32                 | 1"     | 14.5                        | 19.5 | 11               | 15.5 | 17.0                              | 26.0  | 19                                    | 87                                        | 54                          | 0~0.7           | 1.0~1.7 | 709033           | 0.33           |
| 40B           | M40                 | 1 1/4" | M40                 | 1 1/4" | 19.0                        | 25.5 | 17               | 21.5 | 22.0                              | 33.0  | 19                                    | 95                                        | 54                          | 0~0.8           | 1.0~1.7 | 709034           | 0.36           |
| 40C           | M40                 | 1 1/4" | M50                 | 1 1/2" | 25.0                        | 32.0 | 22.0             | 28.0 | 28.0                              | 41.0  | 19                                    | 103                                       | 65                          | 0~1.0           | 1.0~2.0 | 709035           | 0.45           |
| 50A           | M50                 | 1 1/2" | M40                 | 1 1/4" | 19.0                        | 25.5 | 17               | 21.5 | 22.0                              | 33.0  | 19                                    | 95                                        | 65                          | 0~0.8           | 1.0~1.7 | 709036           | 0.45           |
| 50B           | M50                 | 1 1/2" | M50                 | 1 1/2" | 25.0                        | 32.0 | 22.0             | 28.0 | 28.0                              | 41.0  | 19                                    | 103                                       | 65                          | 0~1.0           | 1.0~2.0 | 709037           | 0.70           |
| 50C           | M50                 | 1 1/2" | M63                 | 2"     | 31.5                        | 39.0 | 27.5             | 35.0 | 36.0                              | 52.5  | 19                                    | 118                                       | 77                          | 0~1.0           | 1.0~2.0 | 709038           | 0.85           |
| 63A           | M63                 | 2"     | M50                 | 1 1/2" | 25.0                        | 32.0 | 22.0             | 28.0 | 28.0                              | 41.0  | 19                                    | 103                                       | 77                          | 0~1.0           | 1.0~2.0 | 709039           | 1.20           |
| 63B           | M63                 | 2"     | M63                 | 2"     | 31.5                        | 39.0 | 27.5             | 35.0 | 36.0                              | 52.5  | 19                                    | 118                                       | 77                          | 0~1.0           | 1.0~2.0 | 709040           | 1.50           |
| 63C           | M63                 | 2"     | M75                 | 2 1/2" | 42.5                        | 50.0 | 39.0             | 46.5 | 46.0                              | 65.0  | 19                                    | 131                                       | 93                          | 0~1.2           | 1.5~2.7 | 709041           | 1.80           |
| 75A           | M75                 | 2 1/2" | M63                 | 2"     | 31.5                        | 39.0 | 27.5             | 35.0 | 36.0                              | 52.5  | 19                                    | 118                                       | 90                          | 0~1.0           | 1.0~2.0 | 709042           | 2.80           |
| 75B           | M75                 | 2 1/2" | M75                 | 2 1/2" | 42.5                        | 55.5 | 39.0             | 46.5 | 46.0                              | 65.0  | 19                                    | 131                                       | 93                          | 0~1.2           | 1.5~2.7 | 709043           | 3.10           |
| 75C           | M75                 | 2 1/2" | M90                 | 3"     | 54.5                        | 64.0 | 48.5             | 58.0 | 57.0                              | 78.0  | 19                                    | 138                                       | 110                         | 0~1.5           | 2.0~3.5 | 709044           | 3.50           |
| 90            | M90                 | 3"     | M115                | 4"     | 63.0                        | 75.0 | -                | -    | 68.0                              | 88.0  | 19                                    | 140                                       | 121                         | 0~1.5           | 2.0~3.5 | 709045           | 4.10           |
| 115           | M115                | 4"     | M125                | 4 1/2" | 75.0                        | 90.0 | -                | -    | 83.0                              | 103.0 | 19                                    | 145                                       | 137                         | 0~1.5           | 2.0~3.5 | 709046           | 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.



## Cable Glands

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

#### Armored Dual Seal



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.
- ◆ Dual seal, suitable for both armored and unarmored cable.
- ◆ EMC Cable Gland. (360° contact) - EMC tested.
- ◆ Provides a seal and an electrical bond on the cables lead inner sheath.

#### Technical data

##### Explosion-proof cable glands DQM-II (armored dual seal)

###### Explosion protection

Global (IECEX)  
Gas and dust

IECEX LCI 08.0011X

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIIC Db IP66

Europe (ATEX)  
Gas and dust

LCIE 06 ATEX 6100X

Ex II 2 G Ex d IIC Gb

Ex II 2 G Ex e IIC Gb

Ex 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

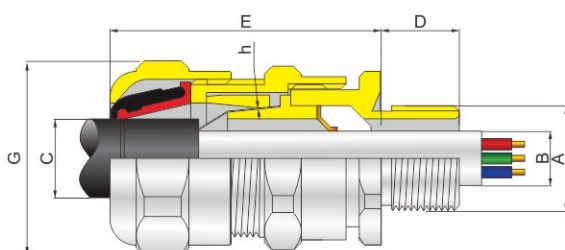
IP66 (IP67 optional)

###### Ambient temperature

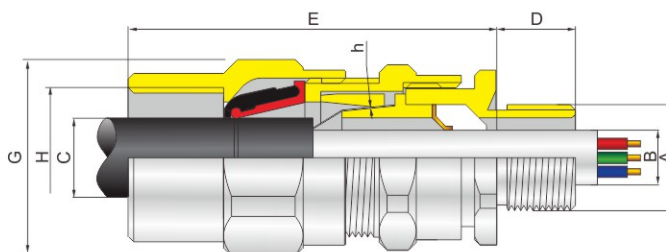
-60°C~+100°C

###### Connection thread

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



Cable wiring



Steel pipe wiring

# Cable Glands

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

### Armored Dual Seal

Selection table of cable wiring

| Gland size | Entry thread<br>“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) |
|------------|---------------------|--------|-----------------------------|------|------------------|------|-----------------------------|-------|------------------------------|----------------------------------|-----------------------|-----------------|---------|---------------|-------------|
|            |                     |        | Standard Seal               |      | Alternative Seal |      |                             |       |                              |                                  |                       |                 |         |               |             |
|            | Metric              | NPT/G  | Min                         | Max  | Min              | Max  | Min                         | Max   |                              |                                  |                       |                 |         |               |             |
| 20A        | M20                 | 1/2"   | 4.0                         | 8.0  | -                | -    | 5.5                         | 12.0  | 15                           | 59                               | 31                    | 0~0.6           | 0.8~1.4 | 709101        | 0.12        |
| 20B        | M20                 | 1/2"   | 6.5                         | 10.5 | -                | -    | 9.0                         | 16.0  | 15                           | 59                               | 31                    | 0~0.6           | 0.8~1.4 | 709102        | 0.15        |
| 20C        | M20                 | 1/2"   | 10                          | 14.5 | 8                | 12   | 12.5                        | 20.5  | 15                           | 61                               | 37                    | 0~0.6           | 0.8~1.4 | 709103        | 0.15        |
| 25A        | M25                 | 3/4"   | 6.5                         | 10.5 | -                | -    | 9.0                         | 16.0  | 15                           | 59                               | 37                    | 0~0.6           | 0.8~1.4 | 709104        | 0.15        |
| 25B        | M25                 | 3/4"   | 10.0                        | 14.5 | 8                | 12   | 12.5                        | 20.5  | 15                           | 61                               | 37                    | 0~0.6           | 0.8~1.4 | 709105        | 0.19        |
| 25C        | M25                 | 3/4"   | 14.5                        | 19.5 | 11               | 15.5 | 17.0                        | 26.0  | 15                           | 68                               | 45                    | 0~0.7           | 1.0~1.7 | 709106        | 0.18        |
| 32A        | M32                 | 1"     | 10                          | 14.5 | 8                | 12   | 12.5                        | 20.5  | 19                           | 61                               | 45                    | 0~0.6           | 0.8~1.4 | 709107        | 0.18        |
| 32B        | M32                 | 1"     | 14.5                        | 19.5 | 11               | 15.5 | 17.0                        | 26.0  | 19                           | 68                               | 45                    | 0~0.7           | 1.0~1.7 | 709108        | 0.22        |
| 32C        | M32                 | 1"     | 19                          | 25.5 | 17               | 21.5 | 22.0                        | 33.0  | 19                           | 76                               | 54                    | 0~0.8           | 1.0~1.7 | 709109        | 0.30        |
| 40A        | M40                 | 1 1/4" | 14.5                        | 19.5 | 11               | 15.5 | 17.0                        | 26.0  | 19                           | 68                               | 54                    | 0~0.7           | 1.0~1.7 | 709110        | 0.30        |
| 40B        | M40                 | 1 1/4" | 19.0                        | 25.5 | 17               | 21.5 | 22.0                        | 33.0  | 19                           | 76                               | 54                    | 0~0.8           | 1.0~1.7 | 709111        | 0.40        |
| 40C        | M40                 | 1 1/4" | 25.0                        | 32.0 | 22.0             | 28.0 | 28.0                        | 41.0  | 19                           | 83                               | 65                    | 0~1.0           | 1.0~2.0 | 709112        | 0.40        |
| 50A        | M50                 | 1 1/2" | 19.0                        | 25.5 | 17               | 21.5 | 22.0                        | 33.0  | 19                           | 76                               | 65                    | 0~0.8           | 1.0~1.7 | 709113        | 0.40        |
| 50B        | M50                 | 1 1/2" | 25.0                        | 32.0 | 22.0             | 28.0 | 28.0                        | 41.0  | 19                           | 83                               | 65                    | 0~1.0           | 1.0~2.0 | 709114        | 0.60        |
| 50C        | M50                 | 1 1/2" | 31.5                        | 39.0 | 27.5             | 35.0 | 36.0                        | 52.5  | 19                           | 101                              | 77                    | 0~1.0           | 1.0~2.0 | 709115        | 0.80        |
| 63A        | M63                 | 2"     | 25.0                        | 32.0 | 22.0             | 28.0 | 28.0                        | 41.0  | 19                           | 83                               | 77                    | 0~1.0           | 1.0~2.0 | 709116        | 0.90        |
| 63B        | M63                 | 2"     | 31.5                        | 39.0 | 27.5             | 35.0 | 36.0                        | 52.5  | 19                           | 101                              | 77                    | 0~1.0           | 1.0~2.0 | 709117        | 1.00        |
| 63C        | M63                 | 2"     | 42.5                        | 50.0 | 39.0             | 46.5 | 46.0                        | 65.0  | 19                           | 112                              | 93                    | 0~1.2           | 1.5~2.7 | 709118        | 1.20        |
| 75A        | M75                 | 2 1/2" | 31.5                        | 39.0 | 27.5             | 35.0 | 36.0                        | 52.5  | 19                           | 101                              | 90                    | 0~1.0           | 1.0~2.0 | 709119        | 2.50        |
| 75B        | M75                 | 2 1/2" | 42.5                        | 55.5 | 39.0             | 46.5 | 46.0                        | 65.0  | 19                           | 112                              | 93                    | 0~1.2           | 1.5~2.7 | 709120        | 2.80        |
| 75C        | M75                 | 2 1/2" | 54.5                        | 64.0 | 48.5             | 58.0 | 57.0                        | 78.0  | 19                           | 119                              | 110                   | 0~1.5           | 2.0~3.5 | 709121        | 2.90        |
| 90         | M90                 | 3"     | 63.0                        | 75.0 | -                | -    | 68.0                        | 88.0  | 19                           | 121                              | 121                   | 0~1.5           | 2.0~3.5 | 709122        | 3.90        |
| 115        | M115                | 4"     | 75.0                        | 90.0 | -                | -    | 83.0                        | 103.0 | 19                           | 126                              | 137                   | 0~1.5           | 2.0~3.5 | 709123        | 4.55        |

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  | Standard Seal               |      | Alternative Seal |      | Min                         | Max   |                              |                                  |                       |                 |         |               |             |
|            |                  |        |                  |        | Min                         | Max  | Min              | Max  |                             |       |                              |                                  |                       |                 |         |               |             |
| 20A        | M20              | 1/2"   | M20              | 1/2"   | 4.0                         | 8.0  | -                | -    | 5.5                         | 12.0  | 15                           | 74                               | 31                    | 0~0.6           | 0.8~1.4 | 709124        | 0.15        |
| 20B        | M20              | 1/2"   | M20              | 1/2"   | 6.5                         | 10.5 | -                | -    | 9.0                         | 16.0  | 15                           | 74                               | 31                    | 0~0.6           | 0.8~1.4 | 709125        | 0.20        |
| 20C        | M20              | 1/2"   | M25              | 3/4"   | 10                          | 14.5 | 8                | 12.0 | 12.5                        | 20.5  | 15                           | 96                               | 37                    | 0~0.6           | 0.8~1.4 | 709126        | 0.20        |
| 25A        | M25              | 3/4"   | M20              | 1/2"   | 6.5                         | 10.5 | -                | -    | 9.0                         | 16.0  | 15                           | 74                               | 37                    | 0~0.6           | 0.8~1.4 | 709127        | 0.20        |
| 25B        | M25              | 3/4"   | M25              | 3/4"   | 10.0                        | 14.5 | 8                | 12.0 | 12.5                        | 20.5  | 15                           | 76                               | 37                    | 0~0.6           | 0.8~1.4 | 709128        | 0.24        |
| 25C        | M25              | 3/4"   | M32              | 1"     | 14.5                        | 19.5 | 11               | 15.5 | 17.0                        | 26.0  | 15                           | 83                               | 45                    | 0~0.7           | 1.0~1.7 | 709129        | 0.27        |
| 32A        | M32              | 1"     | M25              | 3/4"   | 10                          | 14.5 | 8                | 12.0 | 12.5                        | 20.5  | 19                           | 76                               | 45                    | 0~0.6           | 0.8~1.4 | 709130        | 0.28        |
| 32B        | M32              | 1"     | M32              | 1"     | 14.5                        | 19.5 | 11               | 15.5 | 17.0                        | 26.0  | 19                           | 87                               | 45                    | 0~0.7           | 1.0~1.7 | 709131        | 0.27        |
| 32C        | M32              | 1"     | M40              | 1 1/4" | 19                          | 25.5 | 17               | 21.5 | 22.0                        | 33.0  | 19                           | 95                               | 54                    | 0~0.8           | 1.0~1.7 | 709132        | 0.33        |
| 40A        | M40              | 1 1/4" | M32              | 1"     | 14.5                        | 19.5 | 11               | 15.5 | 17.0                        | 26.0  | 19                           | 87                               | 54                    | 0~0.7           | 1.0~1.7 | 709133        | 0.33        |
| 40B        | M40              | 1 1/4" | M40              | 1 1/4" | 19.0                        | 25.5 | 17               | 21.5 | 22.0                        | 33.0  | 19                           | 95                               | 54                    | 0~0.8           | 1.0~1.7 | 709134        | 0.36        |
| 40C        | M40              | 1 1/4" | M50              | 1 1/2" | 25.0                        | 32.0 | 22.0             | 28.0 | 28.0                        | 41.0  | 19                           | 103                              | 65                    | 0~1.0           | 1.0~2.0 | 709135        | 0.45        |
| 50A        | M50              | 1 1/2" | M40              | 1 1/4" | 19.0                        | 25.5 | 17               | 21.5 | 22.0                        | 33.0  | 19                           | 95                               | 65                    | 0~0.8           | 1.0~1.7 | 709136        | 0.45        |
| 50B        | M50              | 1 1/2" | M50              | 1 1/2" | 25.0                        | 32.0 | 22.0             | 28.0 | 28.0                        | 41.0  | 19                           | 103                              | 65                    | 0~1.0           | 1.0~2.0 | 709137        | 0.70        |
| 50C        | M50              | 1 1/2" | M63              | 2"     | 31.5                        | 39.0 | 27.5             | 35.0 | 36.0                        | 52.5  | 19                           | 118                              | 77                    | 0~1.0           | 1.0~2.0 | 709138        | 0.85        |
| 63A        | M63              | 2"     | M50              | 1 1/2" | 25.0                        | 32.0 | 22.0             | 28.0 | 28.0                        | 41.0  | 19                           | 103                              | 77                    | 0~1.0           | 1.0~2.0 | 709139        | 1.20        |
| 63B        | M63              | 2"     | M63              | 2"     | 31.5                        | 39.0 | 27.5             | 35.0 | 36.0                        | 52.5  | 19                           | 118                              | 77                    | 0~1.0           | 1.0~2.0 | 709140        | 1.50        |
| 63C        | M63              | 2"     | M75              | 2 1/2" | 42.5                        | 50.0 | 39.0             | 46.5 | 46.0                        | 65.0  | 19                           | 131                              | 93                    | 0~1.2           | 1.5~2.7 | 709141        | 1.80        |
| 75A        | M75              | 2 1/2" | M63              | 2"     | 31.5                        | 39.0 | 27.5             | 35.0 | 36.0                        | 52.5  | 19                           | 118                              | 90                    | 0~1.0           | 1.0~2.0 | 709142        | 2.80        |
| 75B        | M75              | 2 1/2" | M75              | 2 1/2" | 42.5                        | 55.5 | 39.0             | 46.5 | 46.0                        | 65.0  | 19                           | 131                              | 93                    | 0~1.2           | 1.5~2.7 | 709143        | 3.10        |
| 75C        | M75              | 2 1/2" | M90              | 3"     | 54.5                        | 64.0 | 48.5             | 58.0 | 57.0                        | 78.0  | 19                           | 138                              | 110                   | 0~1.5           | 2.0~3.5 | 709144        | 3.50        |
| 90         | M90              | 3"     | M115             | 4"     | 63.0                        | 75.0 | -                | -    | 68.0                        | 88.0  | 19                           | 140                              | 121                   | 0~1.5           | 2.0~3.5 | 709145        | 4.10        |
| 115        | M115             | 4"     | M125             | 4 1/2" | 75.0                        | 90.0 | -                | -    | 83.0                        | 103.0 | 19                           | 145                              | 137                   | 0~1.5           | 2.0~3.5 | 709146        | 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.

