

Cable Glands Ex e & Ex d & Ex nR & Ex ta

Series A2FFC for Unarmoured Cables / Flexible Conduit Connection

STAHL

E10



- Ex d and Ex e cable entry for all unarmoured cables and cables with wire-braid armouring in flexible and rigid conduits
- Sealing for the outer cable sheath provided by an explosion-protected displacement seal
- Worldwide certification in accordance with IECEx, ATEX and CSA

WebCode **A2FFCA**



A2FFC series metal Ex d and Ex e cable entries are designed for all types of unarmoured cables and cables with wire-braid armouring that are run through flexible or rigid conduits, including those with a rubber coating. A thread adaptor is also required for connecting to rigid conduits. The cable entries are designed to prevent cold flow.

| | IECEx / ATEX | | | | | |
|-----------------|--------------|---|---|----|----|----|
| Zone | 0 | 1 | 2 | 20 | 21 | 22 |
| Installation in | | • | • | • | • | • |

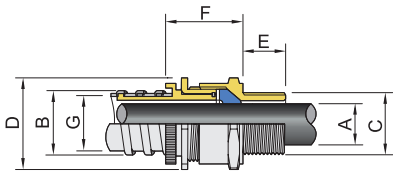
| Selection Table | | | | | | | | | |
|-----------------|-------------|-----------------|--------------------------------|--------------------------------|--------------------|----------------------|-------------------|----------|--------|
| Thread standard | | Metric | | | | | | | |
| Gland size | Thread size | Inner sheath | Max. internal conduit diameter | Max. external conduit diameter | Width across flats | Width across corners | Protrusion length | Art. No. | Weight |
| 20 | M20 | 6.5 ... 13.1 mm | 15.6 mm | 21.6 mm | 27 mm | 29.7 mm | 35.4 mm | 243605 | 100 g |
| | M20 | 6.5 ... 14 mm | 16.9 mm | 23.4 mm | 27 mm | 29.7 mm | 35.4 mm | 243606 | 100 g |
| | M20 | 6.5 ... 14 mm | 18 mm | 24 mm | 27 mm | 29.7 mm | 35.4 mm | 243607 | 100 g |
| | M20 | 6.5 ... 14 mm | 18.7 mm | 25 mm | 27 mm | 29.7 mm | 35.4 mm | 243608 | 100 g |
| | M20 | 6.5 ... 14 mm | 20 mm | 26.3 mm | 27 mm | 29.7 mm | 35.4 mm | 243609 | 120 g |
| | M20 | 6.5 ... 14 mm | 20.5 mm | 28 mm | 27 mm | 29.7 mm | 35.4 mm | 243610 | 110 g |
| 20s | M20 | 6.1 ... 11.4 mm | 13 mm | 20 mm | 24 mm | 26.4 mm | 33.1 mm | 243602 | 90 g |
| | M20 | 6.1 ... 11.7 mm | 13.9 mm | 20 mm | 24 mm | 26.4 mm | 33.1 mm | 243603 | 90 g |
| | M20 | 6.1 ... 11.7 mm | 14.7 mm | 21.5 mm | 24 mm | 26.4 mm | 33.1 mm | 243604 | 90 g |
| 20s/16 | M20 | 3.2 ... 4.1 mm | 5.1 mm | 12 mm | 24 mm | 26.4 mm | 33.2 mm | 243593 | 90 g |
| | M20 | 3.2 ... 5.2 mm | 6.8 mm | 13 mm | 24 mm | 26.4 mm | 33.2 mm | 243594 | 90 g |
| | M20 | 3.2 ... 5.5 mm | 7.8 mm | 13 mm | 24 mm | 26.4 mm | 33.2 mm | 243595 | 90 g |
| | M20 | 3.2 ... 8 mm | 9.1 mm | 15 mm | 24 mm | 26.4 mm | 33.2 mm | 243596 | 80 g |
| | M20 | 3.2 ... 8.1 mm | 9.5 mm | 15 mm | 24 mm | 26.4 mm | 33.2 mm | 243597 | 90 g |
| | M20 | 3.2 ... 8.1 mm | 10.2 mm | 16 mm | 24 mm | 26.4 mm | 33.2 mm | 243598 | 90 g |
| | M20 | 3.2 ... 8.1 mm | 10.9 mm | 17 mm | 24 mm | 26.4 mm | 33.2 mm | 243599 | 90 g |
| | M20 | 3.2 ... 8.1 mm | 11.7 mm | 17.4 mm | 24 mm | 26.4 mm | 33.2 mm | 243600 | 90 g |

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|-----------------|-------------|------------------|--------------------------------|--------------------------------|--------------------|----------------------|-------------------|----------|--------|
| Thread standard | | Metric | | | | | | | |
| Gland size | Thread size | Inner sheath | Max. internal conduit diameter | Max. external conduit diameter | Width across flats | Width across corners | Protrusion length | Art. No. | Weight |
| 25 | M25 | 11.1 ... 15.3 mm | 17.6 mm | 25 mm | 36 mm | 39.6 mm | 43.1 mm | 243611 | 160 g |
| | M25 | 11.1 ... 18.4 mm | 20.7 mm | 27 mm | 36 mm | 39.6 mm | 43.1 mm | 243612 | 160 g |
| | M25 | 11.1 ... 19 mm | 22.3 mm | 28.5 mm | 36 mm | 39.6 mm | 43.1 mm | 243613 | 170 g |
| | M25 | 11.1 ... 20 mm | 23.7 mm | 32 mm | 36 mm | 39.6 mm | 43.1 mm | 243614 | 180 g |
| | M25 | 11.1 ... 20 mm | 25.1 mm | 31 mm | 36 mm | 39.6 mm | 43.1 mm | 243615 | 170 g |
| | M25 | 11.1 ... 20 mm | 26.5 mm | 35 mm | 36 mm | 39.6 mm | 43.1 mm | 243616 | 180 g |
| 32 | M32 | 17 ... 26 mm | 28.1 mm | 35.8 mm | 41 mm | 45.1 mm | 43.1 mm | 243617 | 210 g |
| | M32 | 17 ... 26.3 mm | 30.4 mm | 38 mm | 41 mm | 45.1 mm | 43.1 mm | 243618 | 210 g |
| | M32 | 17 ... 26.3 mm | 34.6 mm | 45 mm | 41 mm | 45.1 mm | 43.1 mm | 243619 | 250 g |
| 40 | M40 | 23.5 ... 32.2 mm | 36.4 mm | 45 mm | 50 mm | 55 mm | 45.1 mm | 243620 | 280 g |
| | M40 | 23.5 ... 32.2 mm | 40 mm | 49 mm | 50 mm | 55 mm | 45.1 mm | 243621 | 300 g |
| 50 | M50 | 35.6 ... 44 mm | 51.2 mm | 61 mm | 60 mm | 66 mm | 48 mm | 243624 | 490 g |
| 50s | M50 | 31 ... 38.2 mm | 46.5 mm | 58.7 mm | 55 mm | 60.5 mm | 43.8 mm | 243622 | 480 g |
| | M50 | 31 ... 38.2 mm | 51.2 mm | 61 mm | 55 mm | 60.5 mm | 43.8 mm | 243623 | 490 g |

| Technical Data | |
|----------------------------------|--|
| Explosion Protection | |
| IECEx gas explosion protection | Ex db IIC Gb |
| IECEx gas explosion protection 2 | Ex eb IIC Gb |
| ATEX gas explosion protection | Ⓜ II 2 G Ex db IIC Gb |
| ATEX gas explosion protection 2 | Ⓜ II 2 G Ex eb IIC Gb |
| IECEx dust explosion protection | Ex ta IIIC Da |
| ATEX dust explosion protection | Ⓜ II 1 D Ex ta IIIC Da |
| IECEx firedamp protection | Ex db I Mb |
| IECEx firedamp protection 2 | Ex eb I Mb |
| ATEX firedamp protection | Ⓜ I M2 Ex db I Mb |
| ATEX firedamp protection 2 | Ⓜ I M2 Ex eb I Mb |
| IECEx restricted breathing | Ex nR IIC Gc |
| ATEX restricted breathing | Ⓜ II 3 G Ex nR IIC Gc |
| Notes | The product certification and certificates can be downloaded from the manufacturer's homepage (www.cmp-products.com) |
| Ex version | Ex e & Ex d & Ex nR & Ex ta |
| Ambient Conditions | |
| Ambient temperature | -60 °C ... +130 °C |
| Mechanical Data | |
| Degree of protection (IP) | IP66 |
| Degree of protection note | Mounting in accordance with the specifications of the manufacturer, CMP |
| Material | Nickel-plated brass |

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

E10



- A = Inner sheath C = Thread size
- D = Width across corners D = Width across flats
- E = Thread length F = Protrusion length
- G = Max. internal conduit diameter
- B = Max. external conduit diameter