

# Anaconda Multitite conduit

## TYPE FCE-LFHB



### FLEXIBLE, EXTRA ROBUST, HALOGEN FREE AND LOW SMOKE

Type FCE-LFHB is a high quality galvanised steel core conduit with a halogen free TPO cover and a stainless steel AISI-304 braid on top. A Halogen free, "low smoke" conduit for use in public areas. The features of the FCE-LFHB cover are necessary in the field of environment and safety, as the European guidelines state that materials used in certain areas must meet special requirements regarding toxic gas emission and smoke density in case of fire. Because of the BS approvals is type FCE-LFHB optimal for use in the subway-, train- and bus-building industry, in closed areas, airports, tunnels, (subway) stations and other infra-structure projects, but also in hospitals, elevators, escalators and other public areas. Type FCE-LFHB is delivered on convenient reels (card board reels with stamped metal core).

#### Material & Construction:

**Construction:** Galvanised steel core, square locked with thin wall convoluted Thermoplastic Polyolefin (TPO compound) cover and stainless steel AISI-304 braiding.

**Cover specifications:** Polyolefin, lead-free according to RoHS, sunlight and UV resistant, suitable for outside installation.

#### Approvals:

- EN 45545-2 (2013): R22 (interior equipment) class HL 1, HL 2 and HL 3.
- R23 (exterior equipment) class HL 1, HL 2 and HL 3.

(CIT<sub>nl</sub> = 0,09, D<sub>s</sub> max = 121 and LOI = 41,5).

- BS 6853 (1999) Tabel 7 (Interior) Category 1b and II vehicle.
- Tabel 8 (Exterior) Category 1a, 1b and II vehicle.
- London Underground LUL 1-085 (2011).
- Tabel 4: limited and dispersed usage.
- Only sizes 20 and 25 are officially registered.

**Temperature:** -25 °C till +80 °C, intermittent up to +100 °C.

**Colour:** Metal coloured.

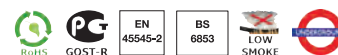
#### Classification according to NEN-EN-IEC 61386:

**Compression resistance:** Class 4, Heavy (1250 N).

**Impact resistance:** Class 4, Heavy (6 J).

**Tensile strength:** Class 4, Heavy (1000 N).

**Protection class:** IP 67 (dust-proof, water-tight).



Square locked

| FCE-LFHB  |  | DIAMETRE    |              | BENDING RADIUS (CL) |              | SMALL REEL |             | STANDARD REEL |             | LARGE REEL |             | WEIGHT |
|-----------|--|-------------|--------------|---------------------|--------------|------------|-------------|---------------|-------------|------------|-------------|--------|
| Size (dn) |  | Inside (mm) | Outside (mm) | Static (mm)         | Dynamic (mm) | Metre      | Article No. | Metre         | Article No. | Metre      | Article No. | (kg/m) |
| 16        |  | 13          | 18,2         | 45                  | 60           | -          | -           | 25            | 375.016.2   | -          | -           | 0,38   |
| 20        |  | 17          | 22,7         | 55                  | 80           | -          | -           | 25            | 375.020.2   | -          | -           | 0,49   |
| 25        |  | 21,2        | 27,2         | 70                  | 100          | -          | -           | 25            | 375.025.2   | -          | -           | 0,62   |
| 32        |  | 28,1        | 35,2         | 95                  | 125          | -          | -           | 25            | 375.032.2   | -          | -           | 0,82   |

The fittings for Multitite FCE-LFHB are outlined in on pages 2 - 21 till 2 - 24

| MULTITITE | 10        | 12        | 16        | 18   | 20   | 25   | 32  | 40  | 50        |
|-----------|-----------|-----------|-----------|------|------|------|-----|-----|-----------|
| ISO       | M10 - M12 | M12 - M16 | M16 - M20 | M20  | M20  | M25  | M32 | M40 | M50 - M63 |
| PG        | 7         | 9         | 11/13,5   | 13,5 | 16   | 21   | 29  | 36  | 48        |
| NPT       | -         | -         | 1/2"      | -    | 1/2" | 3/4" | 1"  | -   | -         |

# 2 Piece fittings for FCE-LFHB, IP 54, nickel plated brass



Anaconda  
Multitite

## ANACONDA IP 54 NICKEL PLATED BRASS FITTINGS FOR MULTITITE TYPE FCE-LFHB

Anaconda Universal range of Multitite fittings are made of nickel plated brass. The IP 54 rated fittings are available in ISO and Pg thread and in fixed and swivel executions for use with Anaconda Multitite Type FCE-LFHB. The 2 piece fitting is designed to resist corrosion and handle tough operating conditions.

### Material & Construction:

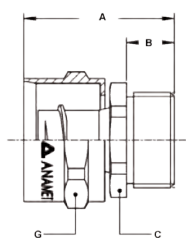
**Construction:** Nickel plated brass fitting, consisting of 2 parts (body and cap).

**Material:** Body and cap are nickel plated brass.

**Temperature:** -55 °C till +260 °C continuous.

**Protection class:** IP 54.

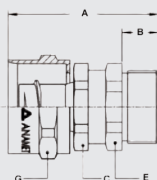
**Colour:** Metal coloured.



ISO straight fitting, fixed, male, nickel plated brass



| THREAD<br>ISO | FCE-LFHB<br>SIZE (DN) | MIN.<br>INTERNAL<br>BORE (MM) | DIMENSIONS IN MM |    |    |    |   | STANDARD<br>PACKAGE | ARTICLE<br>NUMBER | WEIGHT<br>(KG/100) |
|---------------|-----------------------|-------------------------------|------------------|----|----|----|---|---------------------|-------------------|--------------------|
| A             | B                     | C                             | G                | E  |    |    |   |                     |                   |                    |
| M16 x 1,5     | 16                    | 11,2                          | 30               | 10 | 20 | 21 | - | 10                  | 260.616.0         | 2,4                |
| M20 x 1,5     | 16                    | 11,2                          | 30               | 10 | 22 | 21 | - | 10                  | 260.617.0         | 2,8                |
| M20 x 1,5     | 20                    | 15,2                          | 31               | 10 | 24 | 26 | - | 10                  | 260.620.0         | 3,2                |
| M25 x 1,5     | 25                    | 19,2                          | 37               | 12 | 30 | 30 | - | 5                   | 260.625.0         | 5,7                |
| M32 x 1,5     | 32                    | 25,9                          | 39               | 13 | 38 | 40 | - | 5                   | 260.632.0         | 8,4                |

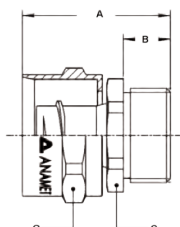


ISO straight fitting, swivel, male, nickel plated brass



| THREAD<br>ISO | FCE-LFHB<br>SIZE (DN) | MIN.<br>INTERNAL<br>BORE (MM) | DIMENSIONS IN MM |    |    |    |    | STANDARD<br>PACKAGE | ARTICLE<br>NUMBER | WEIGHT<br>(KG/100) |
|---------------|-----------------------|-------------------------------|------------------|----|----|----|----|---------------------|-------------------|--------------------|
| A             | B                     | C                             | G                | E  |    |    |    |                     |                   |                    |
| M16 x 1,5     | 16                    | 11,2                          | 39               | 10 | 20 | 21 | 20 | 10                  | 261.616.0         | 4                  |
| M20 x 1,5     | 16                    | 11,2                          | 39               | 10 | 20 | 21 | 22 | 10                  | 261.617.0         | 4,4                |
| M20 x 1,5     | 20                    | 15,2                          | 41               | 10 | 24 | 26 | 24 | 10                  | 261.620.0         | 5,1                |
| M25 x 1,5     | 25                    | 19,2                          | 48               | 12 | 30 | 30 | 30 | 5                   | 261.625.0         | 9,1                |
| M32 x 1,5     | 32                    | 25,9                          | 51               | 13 | 38 | 40 | 38 | 5                   | 261.632.0         | 13,6               |

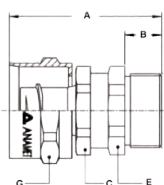
## 2 PIECE FITTINGS FOR FCE-LFHB, IP 54, NICKEL PLATED BRASS



Pg straight fitting, fixed, male, nickel plated brass



| THREAD<br>PG | FCE-LFHB<br>SIZE (DN) | MIN.<br>INTERNAL<br>BORE (MM) | DIMENSIONS IN MM |    |    |    |   | STANDARD<br>PACKAGE | ARTICLE<br>NUMBER | WEIGHT<br>(KG/100) |
|--------------|-----------------------|-------------------------------|------------------|----|----|----|---|---------------------|-------------------|--------------------|
|              |                       |                               | A                | B  | C  | G  | E |                     |                   |                    |
| Pg 11        | 16                    | 11,2                          | 30               | 10 | 20 | 21 | - | 10                  | 260.711.0         | 2,5                |
| Pg 16        | 20                    | 15,2                          | 31               | 10 | 24 | 26 | - | 10                  | 260.716.0         | 3,4                |
| Pg 21        | 25                    | 19,2                          | 37               | 12 | 30 | 30 | - | 5                   | 260.721.0         | 5,8                |
| Pg 29        | 32                    | 25,9                          | 39               | 13 | 38 | 40 | - | 5                   | 260.729.0         | 9,2                |



Pg straight fitting, swivel, male, nickel plated brass



| THREAD<br>PG | FCE-LFHB<br>SIZE (DN) | MIN.<br>INTERNAL<br>BORE (MM) | DIMENSIONS IN MM |    |    |    |    | STANDARD<br>PACKAGE | ARTICLE<br>NUMBER | WEIGHT<br>(KG/100) |
|--------------|-----------------------|-------------------------------|------------------|----|----|----|----|---------------------|-------------------|--------------------|
|              |                       |                               | A                | B  | C  | G  | E  |                     |                   |                    |
| Pg 11        | 16                    | 11,2                          | 39               | 10 | 20 | 21 | 20 | 10                  | 261.711.0         | 4,1                |
| Pg 16        | 20                    | 15,2                          | 41               | 10 | 24 | 26 | 24 | 10                  | 261.716.0         | 5,4                |
| Pg 21        | 25                    | 19,2                          | 48               | 12 | 30 | 30 | 30 | 5                   | 261.721.0         | 9,5                |
| Pg 29        | 32                    | 25,9                          | 51               | 13 | 38 | 40 | 40 | 5                   | 261.729.0         | 14,9               |

# 5 Piece fittings for FCE-LFHB, IP 65, nickel plated brass



## ANACONDA IP 65 NICKEL PLATED BRASS FITTINGS FOR MULTITITE TYPE FCE-LFHB

These fittings are made of nickel plated brass and specially for the Multitite type FCE-LFHB. These IP 65 rated fittings are available in ISO (on request also Pg thread) and in various executions (straight, swivel, elbow and conduit connector) for use with Anaconda Multitite Type FCE-LFHB. This 5 piece fitting is designed to resist corrosion and handle tough operating conditions. The gripping construction on the outside of the braid provides an optimum tensile strength and improved shielding characteristics.

### Material & Construction:

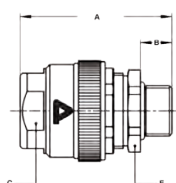
**Construction:** Nickel plated brass fitting, consisting of 5 parts (cap, intermediate body, clamping ring, ferrule and body).

**Material:** Cap, intermediate body and body are nickel plated brass. Ferrule is from passivated brass and clamping ring is from PA 6.

**Temperature:** -45 °C till +105 °C continuous.

**Protection class:** IP 65.

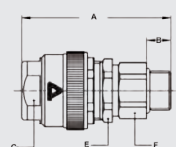
**Colour:** Metal coloured.



ISO straight fitting, compact, male, nickel plated brass  
(including connection set)



| THREAD<br>ISO | FCE-LFHB<br>SIZE (DN) | MIN.<br>INTERNAL<br>BORE (MM) | DIMENSIONS IN MM |    |    |   |    | STANDARD<br>PACKAGE | ARTICLE<br>NUMBER | WEIGHT<br>(KG/100) |
|---------------|-----------------------|-------------------------------|------------------|----|----|---|----|---------------------|-------------------|--------------------|
|               |                       |                               | A                | B  | C  | D | E  |                     |                   |                    |
| M16 x 1,5     | 16                    | 11,2                          | 48               | 10 | 24 | - | 24 | 10                  | 732.016.4         | 9,5                |
| M20 x 1,5     | 16                    | 11,2                          | 48               | 10 | 24 | - | 24 | 10                  | 732.017.4         | 9,8                |
| M20 x 1,5     | 20                    | 15,2                          | 51               | 10 | 28 | - | 27 | 10                  | 732.020.4         | 11,5               |
| M25 x 1,5     | 25                    | 19,2                          | 52               | 10 | 34 | - | 33 | 5                   | 732.025.4         | 16                 |
| M32 x 1,5     | 32                    | 25,9                          | 59               | 12 | 41 | - | 42 | 5                   | 732.032.4         | 25,5               |



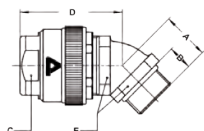
ISO straight swivel fitting, male, nickel plated brass  
(including connection set)



| THREAD<br>ISO | FCE-LFHB<br>SIZE (DN) | MIN.<br>INTERNAL<br>BORE (MM) | DIMENSIONS IN MM |    |    |    |    | STANDARD<br>PACKAGE | ARTICLE<br>NUMBER | WEIGHT<br>(KG/100) |
|---------------|-----------------------|-------------------------------|------------------|----|----|----|----|---------------------|-------------------|--------------------|
|               |                       |                               | A                | B  | C  | E  | F  |                     |                   |                    |
| M16 x 1,5     | 16                    | 10,7                          | 65               | 10 | 24 | 24 | 21 | 10                  | 733.016.4         | 13,5               |
| M20 x 1,5     | 20                    | 13,9                          | 68               | 10 | 28 | 27 | 25 | 10                  | 733.020.4         | 16                 |
| M25 x 1,5     | 25                    | 17,4                          | 69               | 10 | 34 | 33 | 31 | 5                   | 733.025.4         | 23                 |
| M32 x 1,5     | 32                    | 23,4                          | 78               | 12 | 41 | 42 | 38 | 5                   | 733.032.4         | 35,5               |

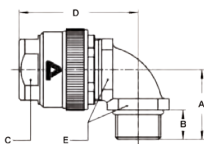
## 5 PIECE FITTINGS FOR FCE-LFHB, IP 65, NICKEL PLATED BRASS

45° elbow fitting ISO, compact, male, nickel plated brass  
(including connection set)



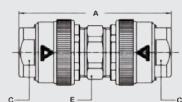
| THREAD<br>ISO | FCE-LFHB<br>SIZE (DN) | MIN.<br>INTERNAL<br>BORE (MM) | DIMENSIONS IN MM |    |    |    |    | STANDARD<br>PACKAGE | ARTICLE<br>NUMBER | WEIGHT<br>(KG/100) |
|---------------|-----------------------|-------------------------------|------------------|----|----|----|----|---------------------|-------------------|--------------------|
|               |                       |                               | A                | B  | C  | D  | E  |                     |                   |                    |
| M16 x 1,5     | 16                    | 11,2                          | 19               | 10 | 24 | 44 | 22 | 10                  | 732.416.4         | 12,5               |
| M20 x 1,5     | 16                    | 11,2                          | 20               | 10 | 24 | 45 | 24 | 10                  | 732.417.4         | 13,5               |
| M20 x 1,5     | 20                    | 15,2                          | 21               | 10 | 28 | 50 | 27 | 10                  | 732.420.4         | 15,8               |
| M25 x 1,5     | 25                    | 19,2                          | 23               | 10 | 34 | 53 | 33 | 5                   | 732.425.4         | 23,5               |
| M32 x 1,5     | 32                    | 25,9                          | 28               | 12 | 41 | 61 | 42 | 5                   | 732.432.4         | 38,5               |

90° elbow fitting ISO, compact, male, nickel plated brass  
(including connection set)



| THREAD<br>ISO | FCE-LFHB<br>SIZE (DN) | MIN.<br>INTERNAL<br>BORE (MM) | DIMENSIONS IN MM |    |    |    |    | STANDARD<br>PACKAGE | ARTICLE<br>NUMBER | WEIGHT<br>(KG/100) |
|---------------|-----------------------|-------------------------------|------------------|----|----|----|----|---------------------|-------------------|--------------------|
|               |                       |                               | A                | B  | C  | D  | E  |                     |                   |                    |
| M16 x 1,5     | 16                    | 11,2                          | 26               | 10 | 24 | 48 | 22 | 10                  | 732.916.4         | 13                 |
| M20 x 1,5     | 16                    | 11,2                          | 26               | 10 | 24 | 49 | 24 | 10                  | 732.917.4         | 14                 |
| M20 x 1,5     | 20                    | 15,2                          | 28               | 10 | 28 | 54 | 27 | 10                  | 732.920.4         | 16,5               |
| M25 x 1,5     | 25                    | 19,2                          | 32               | 10 | 34 | 61 | 33 | 5                   | 732.925.4         | 24                 |
| M32 x 1,5     | 32                    | 25,9                          | 40               | 12 | 41 | 69 | 42 | 5                   | 732.932.4         | 39                 |

Conduit connector, nickel plated brass  
(including connection set)



| THREAD | FCE-LFHB<br>SIZE (DN) | MIN.<br>INTERNAL<br>BORE (MM) | DIMENSIONS IN MM |   |    |   |    | STANDARD<br>PACKAGE | ARTICLE<br>NUMBER | WEIGHT<br>(KG/100) |
|--------|-----------------------|-------------------------------|------------------|---|----|---|----|---------------------|-------------------|--------------------|
|        |                       |                               | A                | B | C  | D | E  |                     |                   |                    |
| -      | 16                    | 11,2                          | 75               | - | 24 | - | 24 | 10                  | 785.012.4         | 18,5               |
| -      | 20                    | 15,2                          | 84               | - | 28 | - | 27 | 10                  | 785.016.4         | 21,5               |
| -      | 25                    | 19,2                          | 88               | - | 34 | - | 33 | 5                   | 785.020.4         | 29,5               |
| -      | 32                    | 25,9                          | 96               | - | 41 | - | 44 | 5                   | 785.026.4         | 48                 |