

**Installation:** hazardous areas - Zone 1 / 2 (Gases) - Zone 21 / 22 (Dusts)**Classification:** Group II - Category 2G 2D**REFERENCE STANDARDS****Directive 2014/34/EU**

|                                 |                                                                                                                                                               |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EXECUTION                       | ⊗ II 2 G Ex d IIC Gb<br>⊗ II 2 D Ex tb IIIC Db                                                                                                                |
| RULES OF COMPLIANCE             | EN/IEC 60079-0; EN/IEC 60079-1;<br>EN/IEC 60079-31                                                                                                            |
| EC Type-Examination Certificate | INERIS 12 ATEX9012U                                                                                                                                           |
| PROTECTION DEGREE               | IP66/67                                                                                                                                                       |
| AMBIENT TEMPERATURE             | -50°C ÷ +130°C                                                                                                                                                |
| OTHER AVAILABLE CERTIFICATES    | IECEX: IECEX INE 12.0043U<br>INMETRO: CEPEL 13.2241<br>EAC: TC RU C-IT.BH02.B.00587<br>(-60°C ÷ +130°C)<br>RUSSIAN MARINE CERTIFICATE<br>(RMRS): 19.02521.280 |

**Mechanical characteristics**

|                        |                                                                   |
|------------------------|-------------------------------------------------------------------|
| Internal flexible pipe | stainless steel                                                   |
| External braid         | stainless steel                                                   |
| Terminals              | threaded terminals in stainless steel or cold<br>galvanized steel |

**Applications**

FLEXIBLE CONDUITS ARE INSTALLED WHERE CONNECTIONS MUST BE MADE TO EQUIPMENT SUBJECT TO VIBRATIONS: MOTORS, PUMPS, ETC.

ALSO FAVOURED FOR CONNECTION TO PEDANT LIGHTING FITTING AND AT BENDS WHERE RIGID CONDUITS IS DIFFICULT TO HANDLE.

**On Request Accessories:**

- Different lengths from standard
- PVC coating
- Female thread end terminal
- Male or female thread revolving end terminal

## Technical Features

| TERMINAL ENDS | SIZE | THREAD NPT | INTERNAL DIA.<br>[ØA] [mm] | EXTERNAL DIA.<br>[ØB] [mm] | C - LENGHT<br>[mm] | TERMINAL'S MATERIAL                                |
|---------------|------|------------|----------------------------|----------------------------|--------------------|----------------------------------------------------|
| H*            | 1N   | (1/2")     | 12                         | 21,5                       | 300                | XC or XB (stainless steel) - GB (galvanized steel) |
| H*            | 2N   | (3/4)      | 16                         | 29                         | 300                | XC or XB (stainless steel) - GB (galvanized steel) |
| H*            | 3N   | (1")       | 25                         | 37,5                       | 400                | XC or XB (stainless steel) - GB (galvanized steel) |
| H*            | 4N   | (1-1/4")   | 32                         | 46,8                       | 400                | XC or XB (stainless steel) - GB (galvanized steel) |
| H*            | 5N   | (1-1/2")   | 38                         | 53                         | 400                | XC or XB (stainless steel) - GB (galvanized steel) |
| H*            | 6N   | (2")       | 50                         | 68                         | 400                | XC or XB (stainless steel) - GB (galvanized steel) |
| H*            | 7N   | (2-1/2")   | 63                         | 85                         | 400                | XC or XB (stainless steel) - GB (galvanized steel) |
| H*            | 8N   | (3")       | 75                         | 99                         | 400                | XC or XB (stainless steel) - GB (galvanized steel) |
| H*            | 10N  | (4")       | 100                        | 122                        | 400                | XC or XB (stainless steel) - GB (galvanized steel) |

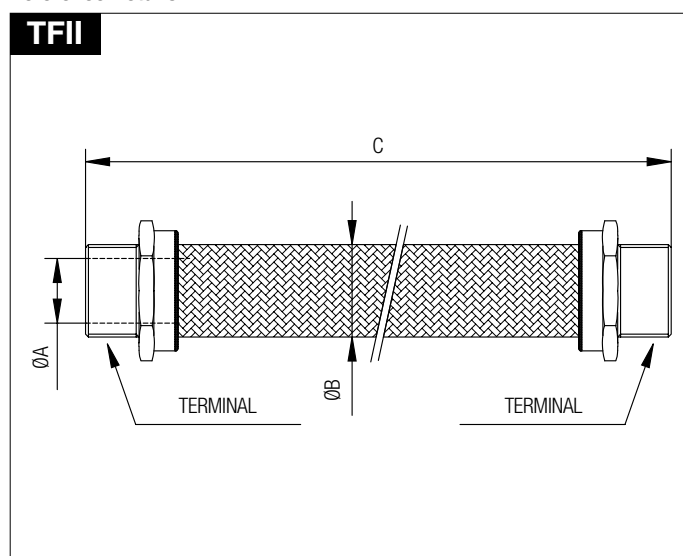
|       | TERMINAL ENDS | SIZE | C - LENGHT [mm] | TERMINAL'S MATERIAL |
|-------|---------------|------|-----------------|---------------------|
| TFII# | H             | 2N   | 0500            | XC or XB            |
| TFII# | N             | 6N   | 1000            | GB                  |

**EXAMPLE 1:** TFII#H2N00500XC = Flexible Conduit 3/4" Dia. 500mm total lenght c/w stainless steel NPT thread fix male/fix male, Ex C execution

**EXAMPLE 2:** TFII#N6N01000GB = Flexible Conduit 2" Dia. 1000mm total lenght c/w galvanized steel / fix male / revolving male, Ex B execution

| End 1         |                     |          | Execution IIC |                 | Execution IIB     |                     | Execution IIC     |                     |
|---------------|---------------------|----------|---------------|-----------------|-------------------|---------------------|-------------------|---------------------|
|               |                     |          | Fixed male NF | Fixed female CF | Revolving male BM | Revolving female BF | Revolving male RM | Revolving female RF |
| Execution IIC | Fixed male NF       | TFII (H) | TFII (G)      | TFII (N)        | TFII (I)          | TFII (RN)           | TFII (RI)         |                     |
|               | Fixed female CF     |          | TFII (Z)      | TFII (Y)        | TFII (D)          | TFII (RY)           | TFII (RD)         |                     |
| Execution IIB | Revolving male BM   |          |               | TFII (P)        | TFII (E)          |                     |                   |                     |
|               | Revolving female BF |          |               |                 | TFII (T)          |                     |                   |                     |
| Execution IIC | Revolving male RM   |          |               |                 |                   | TFII (RP)           | TFII (RE)         |                     |
|               | Revolving female RF |          |               |                 |                   |                     | TFII (RT)         |                     |

## Reference Details



## Standard lenghts

| STANDARD LENGHTS [mm] | FLEXIBLE CONDUIT SIZE |    |    |    |    |    |    |    |
|-----------------------|-----------------------|----|----|----|----|----|----|----|
|                       | 01                    | 02 | 03 | 04 | 05 | 06 | 07 | 08 |
| 300                   | X                     | X  | -  | -  | -  | -  | -  | -  |
| 400                   | X                     | X  | X  | X  | X  | X  | X  | X  |
| 450                   | X                     | X  | X  | X  | X  | X  | X  | X  |
| 500                   | X                     | X  | X  | X  | X  | X  | X  | X  |
| 600                   | X                     | X  | X  | X  | X  | X  | X  | X  |
| 700                   | X                     | X  | X  | X  | X  | X  | X  | X  |
| 800                   | X                     | X  | X  | X  | X  | X  | X  | X  |
| 900                   | X                     | X  | X  | X  | X  | X  | X  | X  |
| 1000                  | X                     | X  | X  | X  | X  | X  | X  | X  |

\*FLEX. CONDUIT PIPES WITH LENGHS DIFFERENT THAN STANDARD, PLEASE CONTACT OUR SALES DEPT.

## REMARK:

Due to the development of the national and international specifications and of the technology, the above technical characteristics showed on this bulletin can be considered as binding on our confirmation only.