

# EXPLOSION PROOF STAINLESS STEEL FLEXIBLE CONDUIT

Explosion Proof Electrical Equipment



Ex Conduit fittings

**Installation:** hazardous areas - Zone 1 / 2 (Gases) - Zone 21 / 22 (Dusts)  
**Classification:** Group II - Category 2G 2D

**TFII**



GOST-R  
RTR Ex Proof



	FLEXIBLE CONDUIT PIPE		
	ATEX 94/9/EC	GOST-R (RTR / RTN)	GOST-K
EXECUTION	⊙ II 2 G Ex d IIB o II 2 G Ex d IIC ⊙ II 2 D Ex tD A21	Ex d IIBU o Ex d IICU A21	Ex d IIBU o Ex d IICU A21
AMBIENT TEMPERATURE	-50°C ÷ +130°C	-50°C ÷ +130°C	-50°C ÷ +130°C
PROTECTION DEGREE	IP66 / IP67	IP66 / IP67	IP66 / IP67
CERTIFICATE REF.	INERIS 07 ATEX 9001U	РОСС ИТ. Г605.В02537	No. 07/43-269
RULES OF COMPLIANCE	EN 60079-0:2006; EN 60079-1:2004; EN 61241-0:2006; EN 61241-1:2004;	ГОСТ Р 51330.9-99 (МЭК 60079-10-95) ГОСТ Р 51330.13-99 (МЭК 60079-14-96) ГОСТ Р МЭК 61241-3-99	ГОСТ Р 51330.0 / 1 / 8 / 14-99 ГОСТ Р МЭК 61241-1-1-2002

## Mechanical characteristics

Internal flexible pipe	stainless steel
External braid	stainless steel
Terminals	threaded terminals in stainless steel or cold 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

## TFII - Technical Features

SIZE	THREAD*	INTERNAL DIA. [ØA] [mm]	EXTERNAL DIA. [ØB] [mm]	C - LENGHT [mm]	TERMINAL'S MATERIAL
01	(1/2")	16	24	300	IN (stainless steel)-AC (galvanized steel)
02	(3/4)	20	29	300	IN (stainless steel)-AC (galvanized steel)
03	(1")	25	35	400	IN (stainless steel)-AC (galvanized steel)
04	(1-1/4")	32	44	400	IN (stainless steel)-AC (galvanized steel)
05	(1-1/2")	40	54	400	IN (stainless steel)-AC (galvanized steel)
06	(2")	50	66	400	IN (stainless steel)-AC (galvanized steel)
07	(2-1/2")	65	82	400	IN (stainless steel)-AC (galvanized steel)
08	(3")	80	100	400	IN (stainless steel)-AC (galvanized steel)
010	(4")	100	122	400	IN (stainless steel)-AC (galvanized steel)

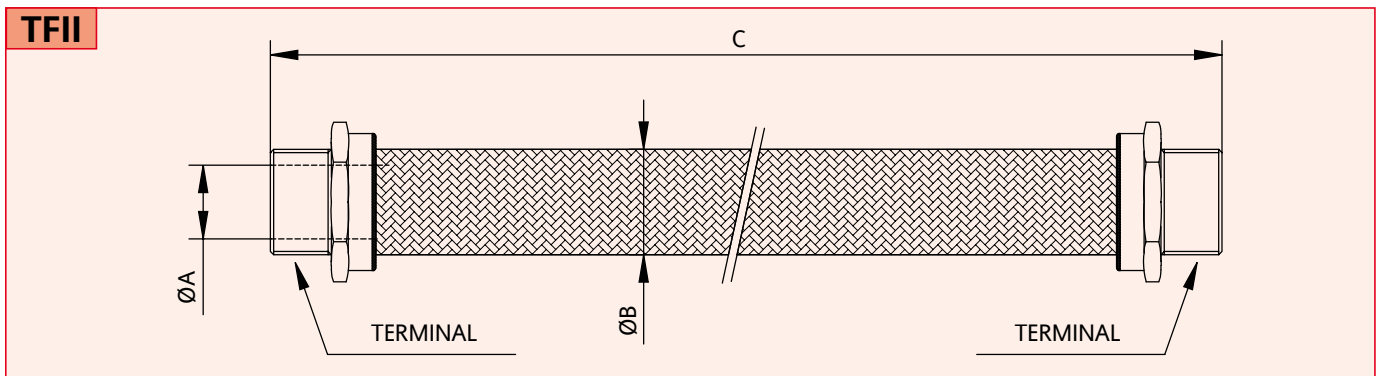
**\*REMARK:** please add "N" sentence after code "TFII" to identify the terminal ends thread NPT (ASA B2.1). The only code "TFII" identifies UNI-6125 terminal ends thread

	C - LENGHT [mm]	SIZE	TERMINAL'S MATERIAL
TFII#	500	02	IN
TFII#	1000	06	AC

**EXAMPLE 1:** TFIIN#50002IN = Flexible Conduit 3/4" Dia. 500mm total length c/w stainless steel NPT thread fixed male terminal ends.

**EXAMPLE 2:** TFIIN#100006IN = Flexible Conduit 2" Dia. 1000mm total length c/w galvanized steel UNI-6125 thread fixed male terminal ends.

### Reference Details



## TFII Standard lengths

STANDARD LENGTHS [mm]	FLEXIBLE CONDUIT SIZE							
	1	2	3	4	5	6	7	8
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 LENGTHS 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.