

# TDUX

## Inflatable sealing system for telephone cable ducts



TDUX is a unique inflatable wraparound duct sealing system for permanently sealing telephone cable ducts in order to prevent the leakage of water from the duct into exchange vaults or manholes. It has been developed for use with plastic, concrete or steel ducting wall-feedthrough systems. It can be used with polyethylene or lead-jacketed cables.

### Features

- Fast and easy to install, even in congested enclosures.
- Very flexible and reliable wraparound sealing system.
- Can be installed even if cable or duct is oval.
- Wide application cable range for each size.
- Seals vacant ducts and ducts with one or two cables. A clip is available to seal multiple cables.
- Can be installed while water is flowing out of the duct.
- Water- and airtight up to 50 kPa.
- Environmentally friendly and non-toxic.
- Resistant to chemicals and bacteria.
- Easy and fast removal.
- Various sizes available for sealing a wide range of ducts and cables.

# TDUX

## Sizing/ordering information

(Dimensions in mm)

Maximum cable diameter for duct with 1 cable or sum of 2 cables.

Each TDUX size will seal vacant ducts for the duct range shown in the table.

To seal 3 or more cables, use TDUX-CL clip (\*)

Product description	TDUX-35	TDUX-45	TDUX-60	TDUX-75	TDUX-90	TDUX-100	TDUX-125	TDUX-CL clip size
Duct Inside ø								
125							103	TDUX-CL-80
120							95	
115							91	
110						90	83	
105						85		
100					83	80		TDUX-CL-60
95					76	74		
90					70	66		
85					62	60		
80					54	52		
75				56	50	45		TDUX-CL-40
70				46	42			
65				40	30			
60			45	30	22			
55			38	28				
50			30					TDUX-CL-20
45		32	18					
40		27						
35	25	18						
30	19							
25	12							

(\*) If 3 or more cables are to be sealed, the cable bundle diameter needs to be determined.

Deduct 5 mm for each clip used from the max. cable diameter shown in the table to determine the max. cable bundle diameter. TDUX-clips must be ordered as a separate item.

### Packaging

TDUX-45 and larger: 10pcs/box including 1 lubricant dispenser and 1 installation instruction.

TDUX-35: 25 pcs/box including 1 lubricant dispenser and 1 installation instruction.

TDUX-clips: 5 pcs/box.

# TDUX

## Installation tools

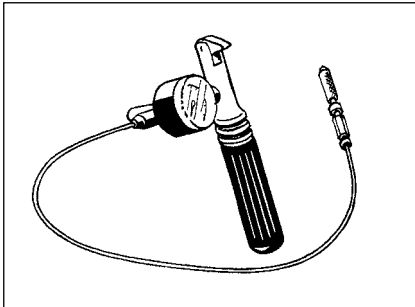
TDUX duct seals can be installed with a wide variety of inflation tools, having the capability to inflate TDUX to a pressure of  $3.0 \pm 0.2$  Bar. The following tools are available from Tyco Electronics.

### TDUX-IT-16

An inflation tool using CO<sub>2</sub> gas cylinders.

The CO<sub>2</sub> gas cylinders contain 16 g of CO<sub>2</sub> and can inflate a minimum of 3 TDUX-100 duct seals in vacant ducts.

The tool has an ON/OFF switch and an automatic pressure monitoring system to guarantee the required inflation pressure of  $3.0 \pm 0.2$  Bar.



### TDUX-IG-SR-AS

An inflation gun for connecting to a pressurized-air bottle, pump or compressor, having an outlet pressure of 4 to 10 Bar to feed the inflation gun.

The inflation gun has a safety relief valve and audio signal device to help in the installation.

