

## Duct Joint Closure – NDE 451 25

### Cold Seal System



#### Features

Universal joint for Hexatronic Ribbonet® and Micronet duct systems

- Quick and easy installation
- Cold Seal, no heating required
- Re-enterable
- Water tight, IP class 68
- Dielectric

#### Application

The NDE 451 25 system is a series of straight duct joint closures for micro- and multi-ducts.

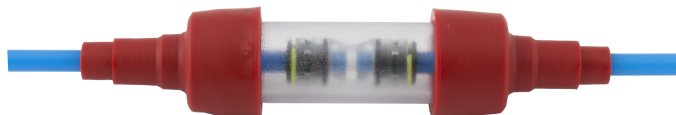
The duct joints are designed for quick and easy installation, minimizing time consuming civil works. When used in combination with the cabling systems Ribbonet® and Hexatronic Micronet, minimum initial investments are required to provide a future proof network that is easy to expand, upgrade and maintain.

The design enables excellent mechanical protection and water tightness according to IP class 68. The duct joints are intended to be installed in manholes or direct buried. They are re-enterable for easy re-configuration/repair.

#### Design

The duct joint closures comprise of a tube shaped body and two duct glands. The closures are available in different sizes for various types of circular shaped micro- and multi-ducts.

The body is made of transparent polycarbonate or orange, opaque polypropylene. Cable sealing glands are made of thermoplastic elastomer TPE and cable straps of polyamide. All materials are recyclable and in accordance with the RoHS directive.





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### Typical Data

#### Temperature range

Operation..... –30 to +60°C  
 Transport and storage ..... –30 to +60°C  
 Installation ..... –20 to +50°C

#### Water penetration

The closures are water tight according to IP class 68\*.

\*Submersed under 3m water column (0,3bar), 2000 h. The IP Class applies only when using Ribbonet® or Hexatronic Micronet ducts according to the compatibility chart below.

### Accessories

To facilitate installation, duct lubricant is required. If applied sparsely, one bottle of lubricant is sufficient for more than 100 duct joints.

### Ordering Information

The closures are delivered in packages of 10 pieces.

Use the compatibility chart to choose the right product for your application. The chart is applicable for Hexatronic Ribbonet® and Micronet ducts only.

Microduct connectors are ordered separately.

#### Ordering Number Table – Duct Joints

	PRODUCT NO.	PACK QUANTITY	COLOR PIPE / GLAND	LENGTH MM PIPE + GLAND	Ø MM PIPE	FOR DUCT Ø MM	PULL STRENGTH N	WEIGHT KG (10 PCS)
	NDE 451 25/111	10	Clear/Red	162	18,9/25	7-12,5	100	0,7
	NDE 451 25/131	10	Orange/Orange	380	35/45	14,9-18	100	3,0
	NDE 451 25/141	10	Orange/Red	380	35/45	19-24	100	3,0
	NDE 451 25/151	10	Orange/L. Gray	630	63/75	26,5-29	100	6,6
	NDE 451 25/161	10	Orange/D. Gray	630	63/75	31-33	100	6,6
	NDE 451 25/171	10	Orange/Black	630	63/75	36,7-40	100	6,6
	NDE 451 25/181	10	Orange/Blue	630	63/75	44-46	100	6,6
	NDE 451 25/191	10	Orange/Orange	630	63/75	40-41	100	6,6

#### Ordering Number Table – Accessories

	PRODUCT NO.	PACK QUANTITY	TYPE	WEIGHT G
	MTV 110 0016	1	Duct Lubricant, 400ml	450

Duct System >	Ribbonet® 5 mm system												Micronet 10 mm system				Micronet 12 mm system							
INSTALLATION >	DB-DIRECT BURIED						DI-DIRECT INSTALL						DB			DI		DB			DI			
PRODUCT NO.	1	4	7	12	19	24	26	1	4	7	12	19	24	1	4	7	4	7	1	4	7	4	7	
NDE 451 25/111	x							x																
NDE 451 25/131									x	x				x					x					
NDE 451 25/141		x	x								x													
NDE 451 25/151				x								x							x					
NDE 451 25/161					x								x		x				x				x	
NDE 451 25/171						x										x								
NDE 451 25/181																						x		
NDE 451 25/191							x																	x