

Nestor Optimus DB Connectors



Application	Straight connectors for DB (Direct Buried) microducts. Suitable for direct buried installation or installation in protective pipes or cable shafts.																	
Features	Transparent	Proper connection of microducts and installation of micro cable can be seen and verified.																
	Tightness	IP 68																
	Short term blowing pressure	25 bar																
	Burst pressure	Accordingly to EN 50411-2-8																
	Materials	<table border="0"> <tr> <td>Body:</td> <td>Transparent HP polymer</td> </tr> <tr> <td>Cartridge:</td> <td>Techno polymer</td> </tr> <tr> <td>Collet:</td> <td>Techno polymer</td> </tr> <tr> <td>Seal:</td> <td>NBR</td> </tr> <tr> <td>Lock Claw:</td> <td>Stainless steel</td> </tr> <tr> <td>Support Ring:</td> <td>Techno polymer</td> </tr> <tr> <td>Rubber Cover:</td> <td>Dark silicon</td> </tr> <tr> <td>Locking Clip:</td> <td>Tamper-proof techno polymer</td> </tr> </table>	Body:	Transparent HP polymer	Cartridge:	Techno polymer	Collet:	Techno polymer	Seal:	NBR	Lock Claw:	Stainless steel	Support Ring:	Techno polymer	Rubber Cover:	Dark silicon	Locking Clip:	Tamper-proof techno polymer
Body:	Transparent HP polymer																	
Cartridge:	Techno polymer																	
Collet:	Techno polymer																	
Seal:	NBR																	
Lock Claw:	Stainless steel																	
Support Ring:	Techno polymer																	
Rubber Cover:	Dark silicon																	
Locking Clip:	Tamper-proof techno polymer																	
	Safety Clips	Connectors are always equipped with safety clips. The safety clip prevents accidental disconnection.																
	Installation Temperature	-15°C ... +40°C																

Lifetime Tested in order to simulate a 20 years lifetime.

Specifications EN 50411-2-8: Microduct connectors

EN 61300-2-4:	Microduct retention
EN 61300-2-10:	Crush resistance
EN 60794-1-2:2003, Method E4:	Impact
EN 61300-2-33:	Re-entries
EN 61300-2-22:	Change of temperature (cycling)
EN 61300-2-23:1997, Method 2:	Water immersion
EN 61300-2-26:	Salt mist
EN 61300-2-34:	Chemical resistance
EN 50411-2-8, Annex C:	High pressure resistance (safety)
EN 50411-2-8, Annex D:	Installation test
EN 50411-2-8, Annex E:	Insertion force
EN 60529:	IP 68
EN 61386-22:	Glow wire test at 750°C
EN 61386-24:	Conduit systems buried underground

Sizes, applications and package sizes for Nestor Optimus DB Connectors

Connector size according microduct outer diameter	Used for example with following microducts	Package size (quantity)
3 mm	3/2 mm, 3/2,1 mm	100
4 mm	4/2,1 mm	100
5 mm	5/2,5 mm, 5/3,5 mm	100
6 mm	6/3,5 mm	100
7 mm	7/3,5 mm, 7/4 mm	100
8 mm	8/3,5 mm, 8/4 mm, 8/6 mm	100
10 mm	10/5,5 mm, 10/6 mm, 10/8 mm	100
12 mm	12/8 mm, 12/10 mm	100
14 mm	14/10 mm, 14/12 mm	100
16 mm	16/10 mm, 16/12 mm, 16/13 mm	100
18 mm	18/12 mm, 18/14 mm	50
20 mm	20/14 mm, 20/15 mm, 20/16 mm	50
25 mm	25/20 mm, 25/21 mm	50

Additional information The microduct inner diameter does not affect to the functioning of the connectors.

When coupling two microducts together, make sure that the microducts inner diameters are same in both sides of the connector.

Never use microducts with different inner diameters in both sides of the connector.



Products in compliance with the directive 1907/2006



Products in compliance with the directive 2011/65/EU