

Nestor Optimus Cable Seals

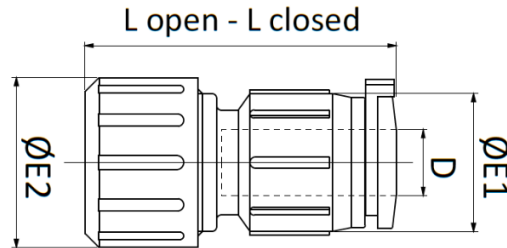


Application

Cable seal for sealing of the end of a microduct route. Used for sealing the space between the cable and microduct preventing moisture, water and gas getting inside the microduct.

Features

Transparent	Proper installation to microduct can be seen and verified.																		
Tightness	IP 68																		
Short term blowing pressure	25 bar																		
Burst pressure	>45 bar																		
Materials	<table border="0"> <tr> <td>Body:</td> <td>Transparent HP polymer</td> </tr> <tr> <td>Cartridge:</td> <td>Nickel plated brass</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>Cable Seal:</td> <td>Silicon</td> </tr> <tr> <td>Compression Nut:</td> <td>Techno polymer</td> </tr> <tr> <td>Back Ring:</td> <td>Techno polymer</td> </tr> <tr> <td>Locking Clip:</td> <td>Techno polymer</td> </tr> </table>	Body:	Transparent HP polymer	Cartridge:	Nickel plated brass	Collet:	Techno polymer	Seal:	NBR	Lock Claw:	Stainless steel	Cable Seal:	Silicon	Compression Nut:	Techno polymer	Back Ring:	Techno polymer	Locking Clip:	Techno polymer
Body:	Transparent HP polymer																		
Cartridge:	Nickel plated brass																		
Collet:	Techno polymer																		
Seal:	NBR																		
Lock Claw:	Stainless steel																		
Cable Seal:	Silicon																		
Compression Nut:	Techno polymer																		
Back Ring:	Techno polymer																		
Locking Clip:	Techno polymer																		
Safety Clips	Cable seals 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.																		



Dimensions, applications and package sizes for Nestor Optimus Cable Seals

Nestor Product name	ØD (mm)	ØE1 (mm)	ØE2 (mm)	Fibre cable size range (mm)	Cable seal color	L Open	L Closed	Package size (quantity)
Optimus Cable Seal 7 mm (0,5-3 mm)	7	14,6	18,0	0,5-3	Blue	35,6	33,1	100
Optimus Cable Seal 7 mm (2,6-4 mm)	7	14,6	18,0	2,6-4	Red	35,6	33,1	100
Optimus Cable Seal 7 mm (3-5 mm)	7	14,6	18,0	3-5	Red	35,6	33,1	100
Optimus Cable Seal 10 mm (0,5-3 mm)	10	19,0	22,5	0,5-3	Blue	42,5	38,5	25
Optimus Cable Seal 10 mm (3-6 mm)	10	19,0	22,5	3-6	Red	42,5	38,5	25
Optimus Cable Seal 10 mm (6-8 mm)	10	19,0	22,5	6-8	Yellow	42,5	38,5	25
Optimus Cable Seal 12 mm (3-6 mm)	12	21,5	25,0	3-6	Red	46,7	42,2	25
Optimus Cable Seal 12 mm (6-8 mm)	12	21,5	25,0	6-8	Yellow	46,7	42,2	25
Optimus Cable Seal 12 mm (8-10 mm)	12	21,5	25,0	8-10	Green	46,7	42,2	25
Optimus Cable Seal 14mm (3-6 mm)	14	23,0	27,0	3-6	Red	47,7	42,7	25
Optimus Cable Seal 14 mm (6-8 mm)	14	23,0	27,0	6-8	Yellow	47,7	42,7	25
Optimus Cable Seal 14 mm (8-10 mm)	14	23,0	27,0	8-10	Green	47,7	42,7	25
Optimus Cable Seal 16 mm (6-8 mm)	16	26,0	30,0	6-8	Yellow	55,2	48,2	15
Optimus Cable Seal 16 mm (8-10 mm)	16	26,0	30,0	8-10	Green	55,2	48,2	15

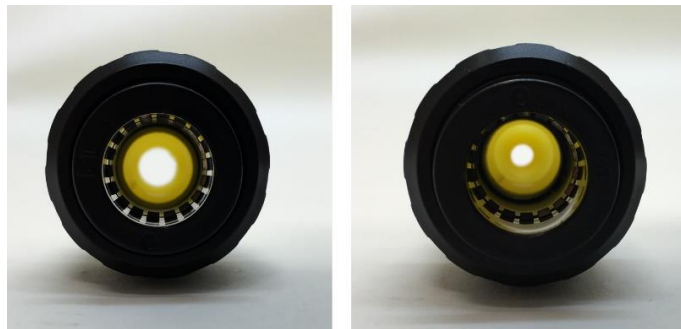
Specifications EN 50411-2-8: Microduct connectors

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 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 (main body)

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

Before the optical fibre cable installation, the compression nut must be completely unscrewed to open position. In that position the system is not sealed, and the cable can pass through the cable seal freely.

After the cable installation, in order to seal the system, the compression nut must be screwed firmly to closed position. Do not pull the cable when the cable seal is in the closed position to prevent possible damage to the cable seal.



Nestor Optimus Cable Seal unsealed and sealed

If the cable seal is used with lubricants, the customer or end user is responsible to check the lubricant chemical compatibility with the construction materials of the cable seal.

If you would like to receive more information about our products, please contact to our technical department.



Products in compliance with
the directive 1907/2006



Products in compliance with
the directive EU 2015/863