

**PRODUCT DATA SHEET**  
**PLASSIM DIRECT BURIED MICRO-DUCT CONNECTORS**

**1. General**

Plassim Direct Buried connectors are used for the connection of micro-ducts for fiber-optic cables in the telecommunications industry without the need for protective sheathing.

The connectors are resistant to pressures used in the industry for blowing cables through guide tubes (micro-ducts) and provide protection from dirt and water.

The connectors are of a push-fit design for quick and easy installation and disassembly.

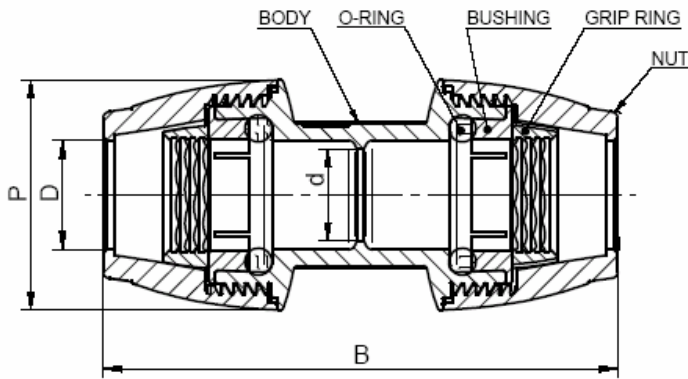
<b>Plassim Cat. No.</b>	<b>Part description</b>
40014M3014	14mm x 14mm Direct Buried Connector
40014S3000	14mm Direct Buried End-Stop

**2. Materials**

<b>Part</b>	<b>Color</b>	<b>Material</b>
BODY	Transparent	Polypropylene
BUSHING	Blue	Polypropylene
NUT	Blue	Polypropylene
GRIP RING	White	POM
O RING	Black	EPDM

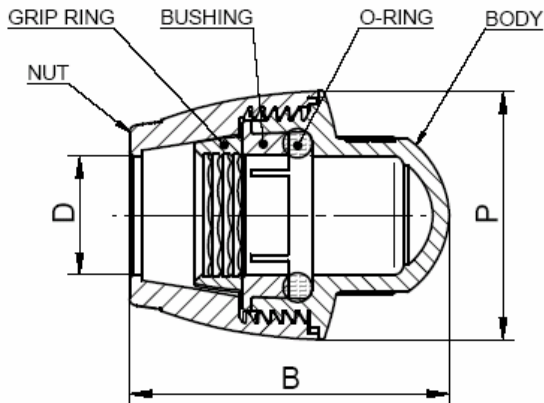
3. **Dimensions (mm)**

**Straight Connector:**



Part No.	DN	D	d	P	B
40014M3014	14	14.3	12.0	30.0	67.0

**End Stop:**



Part No.	DN	D	P	B
40014S3000	14	14.3	30.0	38.0

**Duct Dimensions:**

DN	d min	d max	Ovality
14	13.95	14.15	<5%

#### 4. Performance

##### Temperatures

Minimum working temperature: -10°C

Maximum working temperature: +40°C

##### Pressure

The connectors withstand air pressures detailed below for all temperatures in the working range:

- Continuous working pressure: 10bar
- Peak working pressure: 16bar
- Burst pressure : >20bar

##### Leak-tightness under external pressure

All connectors withstand 1.35 bar external water pressure.

##### Insertion Force

The force necessary to insert a tube in the connector is < 5kgf

##### Resistance to Pull-Out Forces

The connectors resist pull out forces between the connector and the tube as follows:

Continuous pull-out: >900N (1h, 23°C)

Violent pull-out: (jerk) >1500N (<0.3sec, 23°C)