

Straight Connector & End cap



LGCE provides an extensive range of standard and direct buried connectors. These connectors are for connecting the same and different size of tube so that Micro cable and fiber unit can be installed without any problem. Material of outer and inside grip are varied depends on product type. More detail specification will be described on individual datasheet.

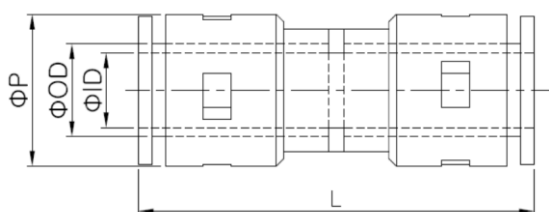
1. Straight Connector & End cap

The Straight connectors are used to join microducts having the same OD and ID. The connectors shall have the necessary sealing arrangement to operate safely at blowing pressures of 16 bar and end cap prevent tube from contamination of mud, sand and debris.

The connector & end caps must be able to be assembled and disassembled without tools.

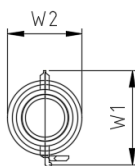
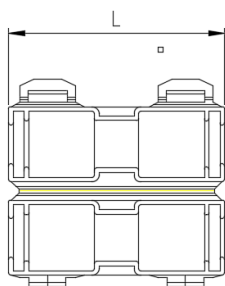
2. Configuration and Technical Details

1) Straight connector



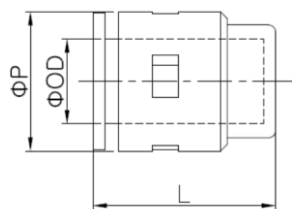
Product	Ø OD (mm)	Ø ID (mm)	Ø P (mm)	L (mm)	Weight (g)
14/10mm	14.0	10.2	23.0	52.0	11.3

2) Connector cover



Product	Ø OD (mm)	Ø ID (mm)	L (mm)
Cover 14mm	32	27.2	57

3) End cap



Product	Ø OD (mm)	Ø P (mm)	L (mm)	Weight (g)
14mm	14.0	23.0	26.5	6.0

4) Material

Body	Hook, Holder, Washer	O-Ring	Grab-Ring
Polycarbonate	Polyacetal	NBR	Stainless steel

3. Performance Test

The connectors & end caps shall withstand the following mechanical and environmental tests at temperature 20°C:

1) Burst pressure

The connectors & end caps shall seal at internal pressures up to 30bar without sustaining damage, or permanent deformation, and shall remain connected to the duct. (BT MA 321) Pressure shall be increased up to failure of the connector or duct. The pressure of failure shall be recorded.

Pressure on connectors & end caps are steadily increasing with a hydraulic water pressure and record the maximum pressure before destruction.

2) Water Ingress

There is no water penetration for 24 hour after connecting tube. This test shall be conducted under 620 mbar(0.623kg/cm) after connecting the tube.

3) Installation and Removal

The installation and removal of the tube from the connector shall not require the use of a tool or sealing agent.



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