

MICRODUCT CONNECTORS

Product Technical sheet

ABOUT

Microfit is an innovative Push-Fit connection accessory used to connect communication cables to fiber optics. A variety of Microfit accessories were designed with full compliance to the requirements of cable manufacturers and installation contractors and especially for last mile infrastructure installations.

Available Configurations : Coupling, End-Stop, Reducer.

Available Sizes : 3mm to 22mm

Assembly Method : Pushfit

Applicable Piping : FTTH Microduct

Applicable Standard : BS EN 50411-2-8-2009

- Comply to European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendment (EU) 2018/2005.
- Comply to Directive 2011/65/EU of the European parliament and of the Council of June 2011, on the restriction of the use of certain Hazardous Substances in electrical and electronic equipment. (RoHS II)

The following data is relevant for both Connectors and Reducer:

TECHNICAL SPECIFICATIONS

Performance :

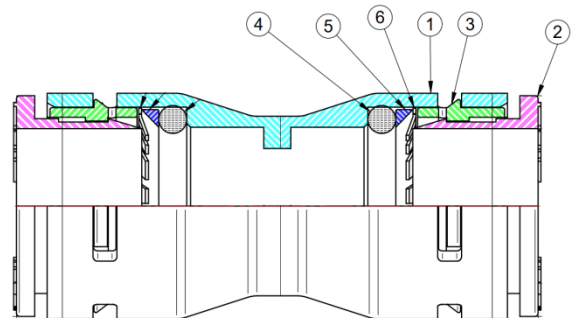
1. Operating Temperatures : (-10)degC to (+60)degC
2. Blowing pressure : up to 16 Bar
3. Burst Pressure : >26 Bar
4. Gas Tightness :
 - Leakage at 16Bar : 1ml/min
 - Leakage at 0.7Bar : 0.1ml/min
5. Water Ingress : The connector will be sealed against a 6m head of water
6. Insertion Force : <50N (5kg) for all sizes

7. Resistance to pullout force:

Product Diameter	Pullout Force (Max)
5mm	130 N
6mm	270N
7mm	300N
8mm	340N
10mm	400N
12mm	500N
12.7mm	550N
14mm	700N
16mm	800N
18mm	900N
20mm	1200N
22mm	1200N

MATERIALS

#	Part	Raw Material
1	Body	Polycarbonate
2	Bevel	Polypropylene, high impact
3	Bushing	Polypropylene, high impact
4	O-ring	EPDM, Shore 60
5	Ring	Polypropylene, high impact
6	Grip ring	Stainless steel, 316



AVAILABLE PRODUCTS

Description	Cat No
Straight Connector 3 X 3/2.1mm	40003M0003B
Straight Connector 4 X 4/2.6mm	40004M0004B
Straight Connector 5 X 5/3.5mm	40005M0005B
Straight Connector 6 X 6/3.5mm	40006M0006B
Straight Connector 7 X 7/3.5mm	40007M0207B
Straight Connector 7 X 7/5.5mm	40007M0007B
Straight Connector 8 X 8/3.5mm	40008M0208B
Straight Connector 8 X 8/6mm	40008M0008B
Straight Connector 8.5 X 8.5/6mm	400085M0085B
Straight Connector 10 X 10/8mm	40010M0010B
Straight Connector 12 X 12/8mm	40012M0212B
Straight Connector 12 X 12/10mm	40012M0012B
Straight Connector 12.7 X 12.7/8mm	400-01M0001B
Straight Connector 14 X 14/10mm	40014M0214B
Straight Connector 14 X 14/12mm	40014M0014B
Straight Connector 16 X 16/12mm	40016M0016B
Straight Connector 18 X 18/14mm	40018M0018B
Straight Connector 20 X 20/16mm	40020M0016B
Straight Connector 22 X 22/18mm	40022M0018B



Description	Cat No
End Stop 5mm	40005S0000B
End Stop 7mm	40007S0000B
End Stop 8mm	40008S0000B
End Stop 8.5mm	400085S0000B
End Stop 10mm	40010S0000B
End Stop 12mm	40012S0000B
End Stop 12.7mm	400-01S0000B
End Stop 14mm	40014S0000B
End Stop 16mm	40016S0000B
End Stop 18mm	40018S0000B
End Stop 20mm	40020S0000B
End Stop 22mm	40022S0000B



Description	Cat No
Reducing Coupler 5 x 3mm	40005D0003B
Reducing Coupler 7 x 5mm	40007D0005B
Reducing Coupler 8 x 5mm	40008D0005B
Reducing Coupler 10 x 7mm	40010D0007B
Reducing Coupler 10 x 8mm	40010D0008B
Reducing Coupler 12 x 8mm	40012D0008B
Reducing Coupler 12 x 10mm	40012D0010B
Reducing Coupler 14 x 10mm	40014D0010B
Reducing Coupler 14 x 12mm	40014D0012B
Reducing Coupler 16 x 12mm	40016D0012B
Reducing Coupler 16 x 14mm	40016D0014B
Reducing Coupler 18 x 14mm	40018D0014B
Reducing Coupler 18 x 16mm	40018D0016B



Assembly instructions:

Cut the microduct pipe in straight line, using dedicated cutter tool.

Insert the pipe end into the fitting all the way in. Watch the pipe end through the transparent body and verify that the end of the pipe passed the O-ring and reached the center of the fitting.

Repeat on the other side with the second pipe.

The pipe can be dismantled from the fitting by pressing the blue ring into the body with one hand, while pulling the pipe out using other hand.