

Miniflex®

Microduct Connectors



Features & Benefits

- Slim profile
- Manufactured from clear material to allow inspection of the inserted fiber
- Double 'O' ring design to resist the ingress of zero pressure gas
- Re-usable gripper collet design for easy 'push-in' connection



Overview

PPC microduct connectors are based on a well proven, reliable design of tube connections for fiber cable in duct applications. Made from clear, high impact material, they enable the user to inspect the inserted fiber, without the need to dismantle any parts, or release system pressure. The connectors incorporate a push-in fastening for simple, fast and safe use without the need for any tools. These slim profile connectors feature a double 'O' ring design to resist the ingress of zero pressure gas and a re-usable gripper collet design for a 'push-in' connection and easy release.

Miniflex® Microduct Connectors are ideally suited to blown fiber applications, where multiple lengths of tube need to be mated without air leakage. Where fiber is being pushed or pulled through tubes and microducts, the Miniflex Microduct Connectors offer a simple and reliable connection between tube/duct pieces. This is useful for a number of reasons. It maximizes duct conservation, where it is more economical to joint two sections together, or if the environment changes (e.g. from outside to inside). The microduct connectors are invaluable where a cable has been damaged and a repair splice needs to be made, as well as inspections where the Duct must be opened.

Technical Data

Specification	Value
Maximum Assembly Effort	30 N (22 ft. Lbs.)
Maximum Tube Retention	150 N (110 ft. Lbs.)
Minimum Burst Pressure	25 bar
Maximum Leakage at 8 bar	1.0 cc/min
Max Leakage at 0.7 bar	0.01 cc/mm
Resistance to External 70 kPa	Max 0.5 kPa drop / hr from 50 ml system
Operating Temperature	-20°C to 40°C (-4°F to 110°F)

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Ordering Information

Part Number	Input & Output Sizes	End User Ref.	Pack Size
10-0278	3mm to 3mm Tube Connector	ATC-3-3-POM-CLR	100
10-0279	3mm to 5mm Tube Connector	ATC-3-5-POM-CLR	100
10-0409	5mm to 5mm Connector	ATC-5-5-POM-CLR	100
10-0410	5mm to 5mm Connector, with Internal Cable Gas Blocking Gland	GBC-5-5-2.5-PC-YEL	100
10-0280	5mm to 8mm Connector	ATC-5.0-8.0-POM-CLR	100
10-0281	8mm to 8mm Connector	ATC-8.0-8.0-POM-CLR	100
10-0288	8mm to 8mm Connector, with Internal Cable Gas Blocking Gland	GBC-8-8-4.5-PC-YEL	100
10-0282	10mm to 10mm connector	ATC-10-10-POM-CLR	100
10-0283	8mm to 10mm Microduct transition connector	ATC-8-10-POM-BLK	100
10-0748	8mm to 12mm Microduct transition connector	ATC-8-12-POM-BLK	100
10-0798	10mm to 12mm Microduct transition connector	ATC-10-12-POM-BLK	100