



# Microduct Connectors and End Stops

For 3-20 mm Microducts

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## Features

- No metal parts
- Clear transparent body
- Easy “push-in” installation
- Rugged design for direct buried and above ground use
- Locking rings to prevent accidental removal of connector
- For 3 to 20 mm microducts

## Application

The connectors and end caps for microducts provide a quick, easy and secure connection or water sealing of microducts.

The product comes in three different versions:

- Straight Connectors are used to join sections of microducts.
- Reduction Connectors are used to join microducts of different dimensions
- End Stops are used to block open duct ends and prevent water and dirt from entering the microduct

The connectors are tested for best functionality in combination with the Hexatronic air blown fibers, nano cables and micro cables.

## Design

**Robust Design for Any Environment** - The connectors and end stops have been designed to be extremely strong so that they can be used for both direct buried non sealed or sealed applications. To avoid unaccidental opening of the connectors when installed into the ground, they are fitted with locking clips on each end. To release a microduct, simply remove the locking clips and push the locking ring of the connector. No additional cover is therefore needed. Note that the locking clips are pre-installed.

**Clear Body for Easy Cable Identification** - The body is extremely clear to facilitate visual inspection of a blown fiber or micro cable that has been installed.

**Metal-free, Zero Corrosion** - The products are 100% metal free and non conductive which guarantees that corrosion will not affect the performance.

**No Slack - Non Stop Installation** - Certain attention has been given to minimize any slack between the microduct and the center of the connector. A smooth transition without slack will minimize the risk of fiber or cable getting caught in the connector and causing a sudden stop in the installation.

## Product Information

**Material**

**Body:** Polycarbonate

**Seal:** NBR

**Washer:** Polyacetal

**Collet:** Polyacetal

## Technical Information

<b>Product Color</b>	<b>Body:</b> Clear <b>Collet:</b> Blue, red
<b>Temperature, Operation [°C]</b>	-40 to +65
<b>Temperature, Storage [°C]</b>	-40 to +65
<b>Temperature, Installation [°C]</b>	-20 to +50
<b>IP Rating</b>	IP68, 5 m
<b>Conformance</b>	CEI DIN EN 50411-2-8: <b>Tightness:</b> EN 61300-2-38:2006, Method A <b>Pressure Drop:</b> EN 61300-2-38:2006, Method B <b>Visual Examination:</b> EN 61300-3-1 <b>Tensile Strength, Pipes:</b> EN 61300-2-4 micro <b>Temperature Change:</b> EN 61300-2-22 <b>Water Tightness:</b> EN 61300-2-23:1997, Method 2 <b>Salt Spray Test:</b> EN 61300-2-26
<b>Certifications</b>	RoHS
<b>Technical Notes</b>	<p>Temperature range, operation, refers to static condition, no pressure applied and according to:</p> <ul style="list-style-type: none"> <li>▪ EN 50411-2-8:2010-06 Table 16, test 12 - Sealing performance</li> <li>▪ EN 50411-2-8:2010-06 Table 16, test 12 - Visual appearance</li> <li>▪ EN 50411-2-8:2010-06 Table 16, test 13 - Change in attenuation</li> </ul> <p>Temperature range, installation, refers to non static conditions and according to:</p> <ul style="list-style-type: none"> <li>▪ EN 50411-2-8:2010-06 Table 14 Complete – Tightness, optical and appearance performance criteria</li> <li>▪ EN 50411-2-8:2010-06 Table 15 Complete – Mechanical requirements</li> <li>▪ EN 50411-2-8:2010-06 Table 16 Complete – Environmental sealing performance requirements</li> </ul>

**Installation Notes**

Working Pressure

**3-7 mm:** <10 bar

**10-20 mm:** <15 bar

**Max pressure:** 20 bar

**Ordering Information**

The articles are ordered in individual pieces, but delivered in packs with defined quantities. See pack size in the article list below.

## Articles 30

Article name	Color	Layout	Weight [kg]	Form of Delivery
<b>Straight Connector 3/2 mm</b> NPA10201/3	Black/ Blue/ Clear	3/2	0.002	100 pcs/ pack
<b>Straight Connector 5/3.5 mm</b> NPA10201/5	Black/ Blue/ Clear	5/3,5	0.003	100 pcs/ pack
<b>Straight Connector 7/3.5 mm</b> NPA10201/7	Black/ Blue/ Clear	7/3,5	0.005	100 pcs/ pack
<b>Straight Connector 7/4 mm</b> NPA10201/74	Black/ Blue/ Clear	7/4	0.005	100 pcs/ pack
<b>Straight Connector 10/8 mm</b> NPA10201/10	Black/ Blue/ Clear	10/8	0.008	100 pcs/ pack
<b>Straight Connector 10/6 mm</b> NPA10201/106	Black/ Blue/ Clear	10/6	0.008	100 pcs/ pack
<b>Straight Connector 12/10 mm</b> NPA10201/12	Black/ Blue/ Clear	12/10	0.008	100 pcs/ pack
<b>Straight Connector 12/8 mm</b> NPA10201/128	Black/ Blue/ Clear	12/8	0.011	100 pcs/ pack
<b>Straight Connector 14/10 mm</b> NPA10201/14	Black/ Blue/ Clear	14/10	0.011	100 pcs/ pack
<b>Straight Connector 16/10 mm</b> NPA10201/1610	Black/ Blue/ Clear	16/10	0.022	10 pcs/ pack
<b>Straight Connector 16/12 mm</b> NPA10201/16	Black/ Blue/ Clear	16/12	0.016	10 pcs/ pack
<b>Straight Connector 18/12 mm</b> NPA10201/18	Black/ Blue/ Clear	18/12	0.022	10 pcs/ pack
<b>Straight Connector 18/14 mm</b> NPA10201/1814	Black/ Blue/ Clear	18/14	0.035	10 pcs/ pack
<b>Straight Connector 20/16 mm</b> NPA10201/2016	Black/ Blue/ Clear	20/16	0.022	10 pcs/ pack
<b>Straight Connector 20/15 mm</b> NPA10201/2015	Black/ Blue/ Clear	20/15	0.022	10 pcs/ pack
<b>Reduction Connector 7/3.5 to 5/3.5mm</b> NPA10301/7	Black/ Blue/ Clear	7/3,5 // 5/3,5	0.004	10 pcs/ pack
<b>Reduction Connector 12/10 to 10/8mm</b> NPA10301/12	Black/ Blue/ Clear	12/10 // 10/8	0.01	10 pcs/ pack
<b>Reduction Connector 14/10 to 12/10mm</b> NPA10301/14	Black/ Blue/ Clear	14/10 // 12/10	0.14	10 pcs/ pack

Article name	Color	Layout	Weight [t/g]	Form of Delivery
<b>Reduction Connector 16/12 to 14/10mm</b> NPA10301/160	Black/ Blue/ Clear	16/ 12 // 14/ 10	0.14	10 pcs/ pack
<b>Reduction Connector 16/10 to 14/10mm</b> NPA10301/1610	Black/ Blue/ Clear	16/ 10 // 14/ 10	0.01	10 pcs/ pack
<b>End Stop 3mm</b> NPA10101/3	Black/ Blue/ Clear	3	0.001	100 pcs/ pack
<b>End Stop 5mm</b> NPA10101/5	Black/ Blue/ Clear	5	0.002	100 pcs/ pack
<b>End Stop 7mm</b> NPA10101/7	Black/ Blue/ Clear	7	0.003	100 pcs/ pack
<b>End Stop 8mm</b> NPA10101/8	Black/ Blue/ Clear	8	0.004	100 pcs/ pack
<b>End Stop 10mm</b> NPA10101/10	Black/ Blue/ Clear	10	0.005	100 pcs/ pack
<b>End Stop 12mm</b> NPA10101/12	Black/ Blue/ Clear	12	0.007	100 pcs/ pack
<b>End Stop 14mm</b> NPA10101/14	Black/ Blue/ Clear	14	0.009	100 pcs/ pack
<b>End Stop 16mm</b> NPA10101/16	Black/ Blue/ Clear	16	0.012	10 pcs/ pack
<b>End Stop 18mm</b> NPA10101/18	Black/ Blue/ Clear	18	0.015	10 pcs/ pack
<b>End Stop 20mm</b> NPA10101/20	Black/ Blue/ Clear	20	0.015	10 pcs/ pack