



# Microduct Connectors, End Stops and Reducers

Fully clear for 3-20 mm microducts

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## Features

- Reusable locking clip, to prevent microducts from being accidentally disconnected
- Fully plastic construction
- Fully transparent
- Dark rubber cover
- UV resistant
- Easy connection & disconnection

## Design

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.

**Working Pressure:** 15 Bar

Short-term blowing pressure (10"): 25 Bar

Burst pressure (all diameters): accordingly to EN50411-2-8

## Product Information

Fully plastic construction, safety pre-installed tamper-proof, reusable locking clip system, to prevent microducts from being accidentally disconnected

Fully transparent (clear) body for ease of Visual inspection to ensure the tube is inserted correctly

Union connectors have an internal profile design that allows them not to be affected by the internal diameter of the duct and allows an unobstructed passage for the blown fibres without any obstacles

Dark rubber cover available to prevent the ingress of foreign material and to protect from damage

UV resistant when fitted with a dark rubber cover

Easy connection & disconnection of the duct thanks to the intelligent gripping system

**Body:** Transparent HP Polymer

**Cartridge:** Techno Polymer

**Collet:** Techno Polymer

**Seal:** NBR

**Lock Claw:** Stainless Steel

**Support Ring:** Techno Polymer

**Rubber Cover:** Dark Silicon

**Tamper-Proof Locking Clip:** Techno Polymer

## Technical Information

### Technical Notes

These products have been tested in order to simulate a 20-year lifetime.

EN 50411-2-8: Microduct connectors -specifications

EN 61300-2-4: Microduct Retention

EN 61300-2-10: Crush Resistance

EN 60794-1-2: 2003, Method E4: Impact

EN 61300-2-33: Re-entries

EN 61300-2-22: Change of Temperature (Cycling)

EN 61300-2-23: 1997, Method 2: Water Immersion

EN 61300-2-26: Salt Mist

EN 61300-2-34: Chemical Resistance

EN 50411-2-8, Annex C: High-Pressure Resistance (Safety)

EN 50411-2-8, Annex D: Installation Test

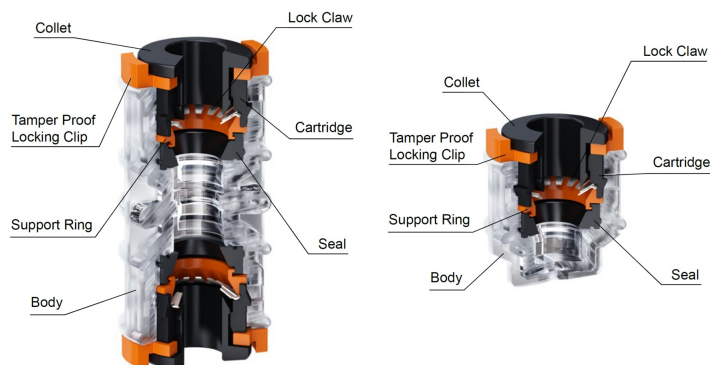
EN 50411-2-8, Annex E: Insertion Force

EN 60529: IP 68

EN 61386-22: Glow wire test at 750°C

EN 61386-24: Conduit systems buried underground

## Technical Details





Code	ØD1 (mm)	ØD2 (mm)	ØE1 (mm)	ØE2 (mm)	C MAX (mm)	L (mm)
FDCX-NPA10300/0704X	7	4	18.8	14	6.1	36.2
FDCX-NPA10300/0705X	7	5	18.8	16.8	6.1	37.4
FDCX-NPA10300/0706X	7	6	18.8	16.8	6.1	37.4
FDCX-NPA10300/0805X	8	5	18.8	16.8	6.1	37.4
FDCX-NPA10300/0806X	8	5	18.8	16.8	6.1	37.4
FDCX-NPA10300/0807X	8	7	18.8	18.8	6.1	39.1
FDCX-NPA10300/1007X	10	7	22.2	18.8	9.3	43
FDCX-NPA10300/1008X	10	8	22.2	18.8	9.3	43
FDCX-NPA10300/1207X	12	7	25	18.8	11	44.2
FDCX-NPA10300/1208X	12	8	25	18.8	11	44.2
FDCX-NPA10300/1210X	14	10	25	22.2	11	47.6
FDCX-NPA10300/1410X	14	10	26.7	22.2	12	48.3
FDCX-NPA10300/1412X	14	12	26.7	25	12	49.7
FDCX-NPA10300/1612X	16	12	29.2	25	15	52.3
FDCX-NPA10300/1614X	16	14	29.2	26.7	15	53.1
FDCX-NPA10300/1814X	18	14	32	26.7	16	54.4
FDCX-NPA10300/2014X	20	14	34	26.7	19	56.3
FDCX-NPA10300/2016X	20	16	34	29.2	19	59.1

## Articles 44

Article name	Color	Layout
Duct ENDCAP-Clear-Direct Bury 3 mm FDCX-NPA10100/03X	Clear	3
Duct ENDCAP-Clear-Direct Bury 4 mm FDCX-NPA10100/04X	Clear	4
Duct ENDCAP-Clear-Direct Bury 5 mm FDCX-NPA10100/05X	Clear	5
Duct ENDCAP-Clear-Direct Bury 6 mm FDCX-NPA10100/06X	Clear	6
Duct ENDCAP-Clear-Direct Bury 7 mm FDCX-NPA10100/07X	Clear	7
Duct ENDCAP-Clear-Direct Bury 8 mm FDCX-NPA10100/08X	Clear	8
Duct ENDCAP-Clear-Direct Bury 10 mm FDCX-NPA10100/10X	Clear	10
Duct ENDCAP-Clear-Direct Bury 12 mm FDCX-NPA10100/12X	Clear	12
Duct ENDCAP-Clear-Direct Bury 14 mm FDCX-NPA10100/14X	Clear	14
Duct ENDCAP-Clear-Direct Bury 16 mm FDCX-NPA10100/16X	Clear	16
Duct ENDCAP-Clear-Direct Bury 18 mm FDCX-NPA10100/18X	Clear	18
Duct ENDCAP-Clear-Direct Bury 20 mm FDCX-NPA10100/20X	Clear	20
Duct ENDCAP-Clear-Direct Bury 25 mm FDCX-NPA10100/25X	Clear	25
Duct CONNECTOR Straight-Clear-Direct Bury 3/2.5 mm FDCX-NPA10200/03X	Clear	3/2.5
Duct CONNECTOR Straight-Clear-Direct Bury 4/3 mm FDCX-NPA10200/04X	Clear	04/03-
Duct CONNECTOR Straight-Clear-Direct Bury 5/4 mm FDCX-NPA10200/05X	Clear	5/4.3
Duct CONNECTOR Straight-Clear-Direct Bury 6/5 mm FDCX-NPA10200/06X	Clear	6/5.3
Duct CONNECTOR Straight-Clear-Direct Bury 7/6 mm FDCX-NPA10200/07X	Clear	7/6.1
Duct CONNECTOR Straight-Clear-Direct Bury 8/6 mm FDCX-NPA10200/08X	Clear	8/6.1
Duct CONNECTOR Straight-Clear-Direct Bury 10/9 mm FDCX-NPA10200/10X	Clear	10/9.3
Duct CONNECTOR Straight-Clear-Direct Bury 12/11 mm FDCX-NPA10200/12X	Clear	12/11-
Duct CONNECTOR Straight-Clear-Direct Bury 14/13 mm FDCX-NPA10200/14X	Clear	14/13
Duct CONNECTOR Straight-Clear-Direct Bury 16/15 mm FDCX-NPA10200/16X	Clear	16/15

Article name	Color	Layout
Duct CONNECTOR Straight-Clear-Direct Bury 18/17 mm FDCX-NPA10200/18X	Clear	18/17
Duct CONNECTOR Straight-Clear-Direct Bury 20/19 mm FDCX-NPA10200/20X	Clear	20/19
Duct CONNECTOR Straight-Clear-Direct Bury 25/24 mm FDCX-NPA10200/25X	Clear	25/24
Duct REDUCER Clear (Direct Bury) 7mm - 4mm duct FDCX-NPA10300/0704X	Clear	7-4
Duct REDUCER Clear (Direct Bury) 7mm - 5mm duct FDCX-NPA10300/0705X	Clear	7-5
Duct REDUCER Clear (Direct Bury) 7mm - 6mm duct FDCX-NPA10300/0706X	Clear	7-6
Duct REDUCER Clear (Direct Bury) 8mm - 5mm duct FDCX-NPA10300/0805X	Clear	8-5
Duct REDUCER Clear (Direct Bury) 8mm - 6mm duct FDCX-NPA10300/0806X	Clear	8-6
Duct REDUCER Clear (Direct Bury) 8mm - 7mm duct FDCX-NPA10300/0807X	Clear	8-7
Duct REDUCER Clear (Direct Bury) 10mm - 7mm duct FDCX-NPA10300/1007X	Clear	10-7
Duct REDUCER Clear (Direct Bury) 10mm - 8mm duct FDCX-NPA10300/1008X	Clear	10-8
Duct REDUCER Clear (Direct Bury) 12mm - 7mm duct FDCX-NPA10300/1207X	Clear	12-7
Duct REDUCER Clear (Direct Bury) 12mm - 8mm duct FDCX-NPA10300/1208X	Clear	12-8
Duct REDUCER Clear (Direct Bury) 12mm - 10mm duct FDCX-NPA10300/1210X	Clear	12-10
Duct REDUCER Clear (Direct Bury) 14mm - 10mm duct FDCX-NPA10300/1410X	Clear	14-10
Duct REDUCER Clear (Direct Bury) 14mm - 12mm duct FDCX-NPA10300/1412X	Clear	14-12
Duct REDUCER Clear (Direct Bury) 16mm - 12mm duct FDCX-NPA10300/1612X	Clear	16-12
Duct REDUCER Clear (Direct Bury) 16mm - 14mm duct FDCX-NPA10300/1614X	Clear	16-14
Duct REDUCER Clear (Direct Bury) 18mm - 14mm duct FDCX-NPA10300/1814X	Clear	18-14
Duct REDUCER Clear (Direct Bury) 20mm - 14mm duct FDCX-NPA10300/2014X	Clear	20-14
Duct REDUCER Clear (Direct Bury) 20mm - 16mm duct FDCX-NPA10300/2016X	Clear	20-16