



Tensile test.

1.3 Solutions for Fibre-to-the-x. Durable complete systems.

SPEED•PIPE® IN-DUCT SOLUTIONS.

The fastest and cheapest kind of broadband expansion: reduction of civil engineering costs by using already existing duct systems. Non-occupied PE-HD ducts or occupied with cables or cable duct constructions often still contain valuable, unused underground space. With the speed•pipe® system – single ducts as well as duct bundles – as basis of in-duct solutions, you are able to upgrade existing plants with fibre-optic in only two steps.

SPEED•PIPE® GROUND – SOLUTIONS FOR DIRECT BURYING.

In the construction of new fibre-optic routes, by using speed•pipe® ground and speed•pipe® bundles ground for direct burying you can waive additional protective pipes without any losses in efficiency. You save material and work time: no additional storing of the protective pipes, no additional process for blowing in micro ducts. In only one step – the professional laying of speed•pipe® ground – you raise a long-lasting passive infrastructure for long-lasting high ranges by blowing-in fibre-optic cables.

ACCESSORIES - CONNECT, SEAL, FIX.

Whether in-duct or direct burying: only with matching sealing, fixing and connecting elements you exploit your micro duct system also in the long run – and remain flexible with the fibre-optic occupancy.

CONNECTING NETWORKS - FOR ALL FTTX AREAS.

Since 2019 gabocom is a member of the world's leading supplier of cabling solutions for network infrastructures. Together with HellermannTyton, gabocom offers a comprehensive range of fibre optic solutions, including FDN closures, street cabinets, customer connection points (CCP), as well as fibre wall outlets and much more.

SPEED•PIPE® INDOOR FOR BUILDINGS, CHANNELS AND TUNNELS.

Especially inside buildings particularly strict requirements are effective – primarily with regard to fire protection. The speed•pipe® indoor system masters the line between safety, optimum blowing-in characteristics and ease of assembly.

(SPLIT-)DUCT SYSTEM - SAFE REPAIRING AND SEALING OF OCCUPIED CABLE DUCTS.

By means of the (split-)duct system a gas- and water-tight repair without network interruption can be carried out at existing duct systems - quick, cost-saving and absolutely reliable..



OUR CERTIFICATIONS.



Environmental Management System according to ISO 14001:2015



Energy Management System according to ISO 50001:2018



Quality Management System according to ISO 9001:2015

FURTHER COMMITMENT.

ecovadis ecovadis evaluates companies’ activities in the areas of the environment, labour and human rights, ethics and sustainable procurement. gabocom also takes part in this assessment.

CDP DISCLOSURE INSIGHT ACTION CDP is an international, non-profit organisation that provides a system for the disclosure of environmental data. gabocom, together with its parent company Aptiv PLC, reports publicly on a consolidated CDP report.

SCIENCE BASED TARGETS The Science Based Targets are corporate climate targets for reducing emissions on the basis of the Paris Climate Agreement. We have set these targets for ourselves together with our parent company Aptiv.

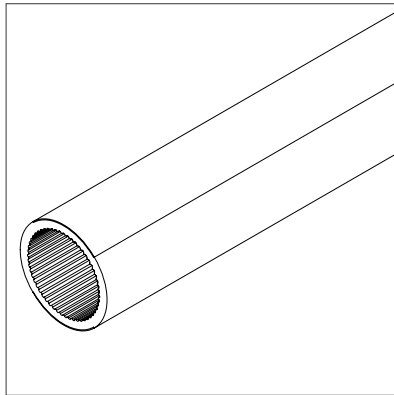


Step 1 in broadband expansion.

Utilization of existing duct systems. **speedpipe** **in-duct solutions.**

- 2.1 speedpipe for in-duct solutions.
- 2.2 speedpipe bundles in-duct.

2.1 Step 1: Utilization of existing duct systems. speedpipe for in-duct solutions.



speedpipe 10x1.0



speedpipe for in-duct installations.

USE EXISTING DUCT SYSTEMS.

speedpipe for subduct solutions are blown into PE-HD ducts over long distances. Free space within occupied or empty duct systems can be used to the maximum. Simultaneously the bigger inner diameter, compared to microducts that can be layed in the ground, offers space for high fibre capacities - space that can be exploited for every single speedpipe even after decades.

Features and benefits

- small outer diameter for optimum exploitation of the existing duct capacity
- transparent inspection windows show the occupation with cables
- can also be blown into occupied PE-HD-protective pipes (Ø 40, 50, 63 mm)
- reusable even after blowing out installed fibre optic cables - like on the first day
- sliding ribs specified for any dimension for an optimal air cushion of the optical fibre during the blowing in process
- available in various dimensions in strong colours for better distinction
- they are delivered on a wooden one-way spool which is optimised for transport and installation

Type	Ø (D)	Wall (WT)	Length (L)	Cable Ø min	Cable Ø max	Colour	Pressure Nominal (PN)	Weight	Total weight	Item no.
speedpipe_7x0.75	7	0.75	5000 m	1.8	4	Black (BK)	PN 10	0.014 kg/m	93 kg	848
	7	0.75	5000 m	1.8	4	Blue (BU)	PN 10	0.014 kg/m	93 kg	607
	7	0.75	5000 m	1.8	4	Brown (BN)	PN 10	0.014 kg/m	93 kg	851
	7	0.75	5000 m	1.8	4	Green (GN)	PN 10	0.014 kg/m	93 kg	604
	7	0.75	5000 m	1.8	4	Grey (GY)	PN 10	0.014 kg/m	93 kg	616
	7	0.75	5000 m	1.8	4	Orange (OG)	PN 10	0.014 kg/m	93 kg	619
	7	0.75	5000 m	1.8	4	Red (RD)	PN 10	0.014 kg/m	93 kg	601
	7	0.75	5000 m	1.8	4	Violet (VT)	PN 10	0.014 kg/m	93 kg	854
	7	0.75	5000 m	1.8	4	White (WH)	PN 10	0.014 kg/m	93 kg	613
	7	0.75	5000 m	1.8	4	Yellow (YE)	PN 10	0.014 kg/m	93 kg	610
speedpipe_10x1.0	10	1.00	2500 m	2.5	6.5	Black (BK)	PN 10	0.027 kg/m	91 kg	865
	10	1.00	2500 m	2.5	6.5	Blue (BU)	PN 10	0.027 kg/m	91 kg	594
	10	1.00	2500 m	2.5	6.5	Brown (BN)	PN 10	0.027 kg/m	91 kg	867
	10	1.00	2500 m	2.5	6.5	Green (GN)	PN 10	0.027 kg/m	91 kg	643
	10	1.00	2500 m	2.5	6.5	Grey (GY)	PN 10	0.027 kg/m	91 kg	599
	10	1.00	2500 m	2.5	6.5	Orange (OG)	PN 10	0.027 kg/m	91 kg	645
	10	1.00	2500 m	2.5	6.5	Red (RD)	PN 10	0.027 kg/m	91 kg	647
	10	1.00	2500 m	2.5	6.5	Violet (VT)	PN 10	0.027 kg/m	91 kg	908
	10	1.00	2500 m	2.5	6.5	White (WH)	PN 10	0.027 kg/m	91 kg	649
	10	1.00	2500 m	2.5	6.5	Yellow (YE)	PN 10	0.027 kg/m	91 kg	596
speedpipe_12x1.1	12	1.10	2000 m	3	8	Black (BK)	PN 10	0.034 kg/m	91 kg	42147
	12	1.10	2000 m	3	8	Blue (BU)	PN 10	0.034 kg/m	91 kg	1402
	12	1.10	2000 m	3	8	Brown (BN)	PN 10	0.034 kg/m	91 kg	42148
	12	1.10	2000 m	3	8	Green (GN)	PN 10	0.034 kg/m	91 kg	1400
	12	1.10	2000 m	3	8	Grey (GY)	PN 10	0.034 kg/m	91 kg	1405
	12	1.10	2000 m	3	8	Orange (OG)	PN 10	0.034 kg/m	91 kg	1406
	12	1.10	2000 m	3	8	Red (RD)	PN 10	0.034 kg/m	91 kg	1401
	12	1.10	2000 m	3	8	Violet (VT)	PN 10	0.034 kg/m	91 kg	1293
	12	1.10	2000 m	3	8	White (WH)	PN 10	0.034 kg/m	91 kg	1404
	12	1.10	2000 m	3	8	Yellow (YE)	PN 10	0.034 kg/m	91 kg	1403
speedpipe_14x1.3	14	1.30	1500 m	4	9.5	Blue (BU)	PN 10	0.050 kg/m	98 kg	1022
	14	1.30	1500 m	4	9.5	Green (GN)	PN 10	0.050 kg/m	98 kg	1021
	14	1.30	1500 m	4	9.5	Red (RD)	PN 10	0.050 kg/m	98 kg	1020
	14	1.30	1500 m	4	9.5	Yellow (YE)	PN 10	0.050 kg/m	98 kg	1023
	14	1.30	3000 m	4	9.5	Blue (BU)	PN 10	0.050 kg/m	185 kg	1799
	14	1.30	3000 m	4	9.5	Green (GN)	PN 10	0.050 kg/m	185 kg	1026
	14	1.30	3000 m	4	9.5	Red (RD)	PN 10	0.050 kg/m	185 kg	1025
	14	1.30	3000 m	4	9.5	Yellow (YE)	PN 10	0.050 kg/m	185 kg	2322
speedpipe_16x1.5	16	1.50	1200 m	7.5	11	Blue (BU)	PN 10	0.066 kg/m	102 kg	3282
	16	1.50	1200 m	7.5	11	Green (GN)	PN 10	0.066 kg/m	102 kg	3281
	16	1.50	1200 m	7.5	11	Red (RD)	PN 10	0.066 kg/m	102 kg	3280

All dimensions in mm. Subject to technical changes.

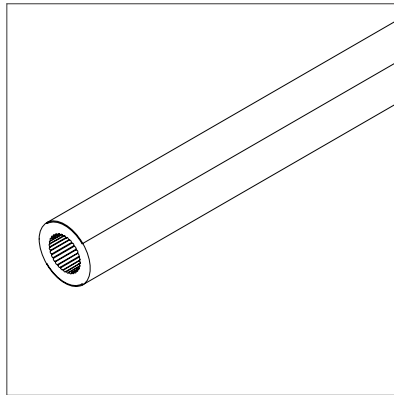
Step 2 in broadband expansion.

Construction of micro duct systems. **Solutions for direct burying.**

- 3.1 speedpipe ground.
- 3.2 speedpipe coil.
- 3.3 speedpipe bundles ground.
- 3.4 Types of laying.
- 3.5 Colour code bundles SRV-G tc.

3.1 Step 2: Expansion of existing infrastructure and new construction of passive infrastructure. speedpipe ground for direct burying.

Direct burying



speedpipe ground 7x1,5



speedpipe ground for direct burying.

FOR ALL FTTX-SECTIONS.

For the extension or new construction of passive infrastructure in fibre optic expansion. speedpipe ground are suitable for direct burying in all FTTx-sections as well as für branching-off from existing duct routes. Due to the dimensionally stable wall thickness made from first-class PE-HD protects each speedpipe ground duct system against the emerging ground pressure. Due to a higher vertex pressure in comparison to for example a PE-HD duct 50×4.6 the pipes stay in shape. Sliding ribs specified for any dimension ensure an optimal air cushion of the fibre optic during the blowing-in process, even after decades.

Features and benefits

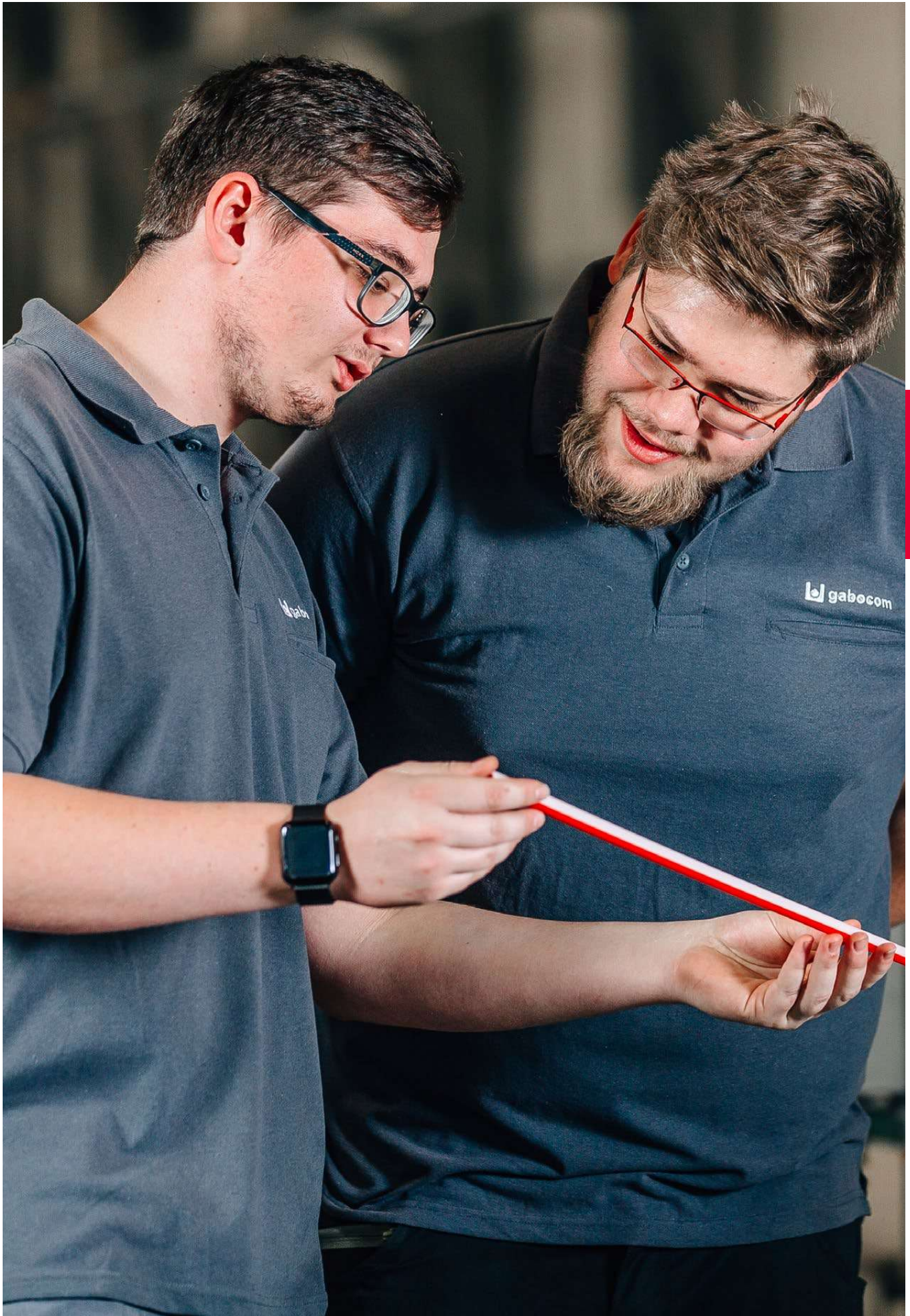
- transparent inspection windows show the occupation with cables
- due to powerful colours the different dimensions are differentiated
- suitable combination with subduct solutions due to appropriate accessories
- delivered on a wooden one-way spool which is optimised for transport and installation

Type	Ø (D)	Wall (WT)	Length (L)	Cable Ø min	Cable Ø max	Colour	Pres- sure Nominal (PN)	Weight	Total weight	Item no.
speedpipe-ground_7x1.5	7	1.50	1250 m	1	2.7	Black (BK)	PN 16	0.025 kg/m	39 kg	2267
	7	1.50	1250 m	1	2.7	Blue (BU)	PN 16	0.025 kg/m	39 kg	1012
	7	1.50	1250 m	1	2.7	Blue (BU), Brown (BN)	PN 16	0.025 kg/m	39 kg	1727
	7	1.50	1250 m	1	2.7	Blue (BU), Green (GN)	PN 16	0.025 kg/m	39 kg	1724
	7	1.50	1250 m	1	2.7	Brown (BN)	PN 16	0.025 kg/m	39 kg	2266
	7	1.50	1250 m	1	2.7	Green (GN)	PN 16	0.025 kg/m	39 kg	1011
	7	1.50	1250 m	1	2.7	Green (GN), Grey (GY)	PN 16	0.025 kg/m	39 kg	1726
	7	1.50	1250 m	1	2.7	Green (GN), Violet (VT)	PN 16	0.025 kg/m	39 kg	1725
	7	1.50	1250 m	1	2.7	Grey (GY)	PN 16	0.025 kg/m	39 kg	1014
	7	1.50	1250 m	1	2.7	Grey (GY), Yellow (YE)	PN 16	0.025 kg/m	39 kg	1723
	7	1.50	1250 m	1	2.7	Orange (OG)	PN 16	0.025 kg/m	39 kg	2223
	7	1.50	1250 m	1	2.7	Red (RD)	PN 16	0.025 kg/m	39 kg	2265
	7	1.50	1250 m	1	2.7	Red (RD), Blue (BU)	PN 16	0.025 kg/m	39 kg	1718
	7	1.50	1250 m	1	2.7	Red (RD), Green (GN)	PN 16	0.025 kg/m	39 kg	1717
	7	1.50	1250 m	1	2.7	Red (RD), Grey (GY)	PN 16	0.025 kg/m	39 kg	1720
	7	1.50	1250 m	1	2.7	Red (RD), Violet (VT)	PN 16	0.025 kg/m	39 kg	1719
	7	1.50	1250 m	1	2.7	Red (RD), Yellow (YE)	PN 16	0.025 kg/m	39 kg	1716
	7	1.50	1250 m	1	2.7	Yellow (YE)	PN 16	0.025 kg/m	39 kg	1013
	7	1.50	1250 m	1	2.7	Yellow (YE), Blue (BU)	PN 16	0.025 kg/m	39 kg	1721
	7	1.50	1250 m	1	2.7	Yellow (YE), Violet (VT)	PN 16	0.025 kg/m	39 kg	1722
speedpipe-ground_10x2.0	10	2.00	500 m	1.8	4.6	Pink (PK)	PN 16	0.047 kg/m	32 kg	1705
	10	2.00	2500 m	1.8	4.6	Blue (BU)	PN 16	0.047 kg/m	141 kg	1016
	10	2.00	2500 m	1.8	4.6	Brown (BN)	PN 16	0.047 kg/m	141 kg	2659
	10	2.00	2500 m	1.8	4.6	Green (GN)	PN 16	0.047 kg/m	141 kg	1018
	10	2.00	2500 m	1.8	4.6	Grey (GY)	PN 16	0.047 kg/m	141 kg	1962
	10	2.00	2500 m	1.8	4.6	Orange (OG)	PN 16	0.047 kg/m	141 kg	3348
	10	2.00	2500 m	1.8	4.6	Pink (PK)	PN 16	0.047 kg/m	141 kg	1340
	10	2.00	2500 m	1.8	4.6	Red (RD)	PN 16	0.047 kg/m	141 kg	1017
	10	2.00	2500 m	1.8	4.6	Yellow (YE)	PN 16	0.047 kg/m	141 kg	1019

All dimensions in mm. Subject to technical changes.

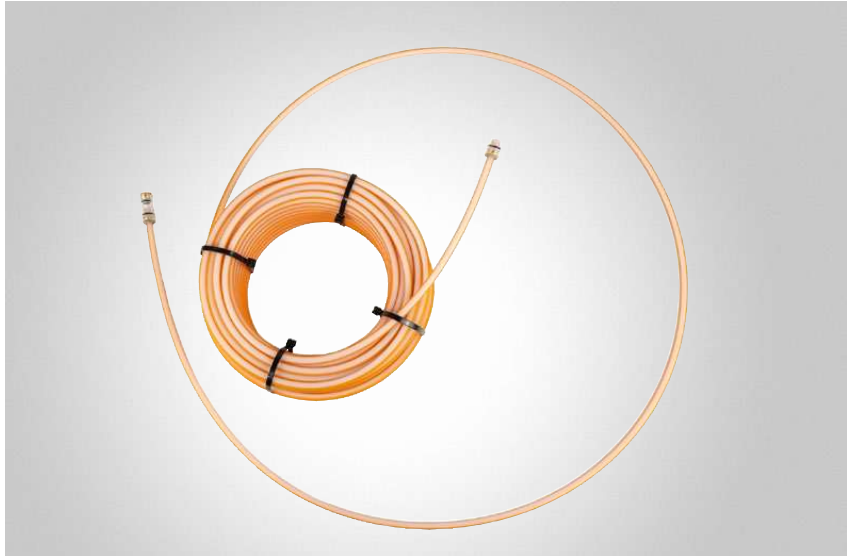
Type	Ø (D)	Wall (WT)	Length (L)	Cable Ø min	Cable Ø max	Colour	Pres- sure Nominal (PN)	Weight	Total weight	Item no.
speedpipe-ground_12x2.0	12	2.00	2000 m	3	6.8	Black (BK)	PN 16	0.060 kg/m	143 kg	1620
	12	2.00	2000 m	3	6.8	Blue (BU)	PN 16	0.060 kg/m	143 kg	1627
	12	2.00	2000 m	3	6.8	Brown (BN)	PN 16	0.060 kg/m	143 kg	1621
	12	2.00	2000 m	3	6.8	Green (GN)	PN 16	0.060 kg/m	143 kg	1625
	12	2.00	2000 m	3	6.8	Green-Yellow (GNYE)	PN 16	0.060 kg/m	143 kg	2175
	12	2.00	2000 m	3	6.8	Grey (GY)	PN 16	0.060 kg/m	143 kg	1632
	12	2.00	2000 m	3	6.8	Orange (OG)	PN 16	0.060 kg/m	143 kg	1623
	12	2.00	2000 m	3	6.8	Red (RD)	PN 16	0.060 kg/m	143 kg	1622
	12	2.00	2000 m	3	6.8	Turquoise (TQ)	PN 16	0.060 kg/m	143 kg	1563
	12	2.00	2000 m	3	6.8	Violet (VT)	PN 16	0.060 kg/m	143 kg	1628
	12	2.00	2000 m	3	6.8	White (WH)	PN 16	0.060 kg/m	143 kg	1631
	12	2.00	2000 m	3	6.8	Yellow (YE)	PN 16	0.060 kg/m	143 kg	1624
speedpipe-ground_14x2.0	14	2.00	1500 m	3	8.7	Black (BK)	PN 16	0.072 kg/m	131 kg	42288
	14	2.00	1500 m	3	8.7	Blue (BU)	PN 16	0.072 kg/m	131 kg	42294
	14	2.00	1500 m	3	8.7	Brown (BN)	PN 16	0.072 kg/m	131 kg	42289
	14	2.00	1500 m	3	8.7	Green (GN)	PN 16	0.072 kg/m	131 kg	42293
	14	2.00	1500 m	3	8.7	Grey (GY)	PN 16	0.072 kg/m	131 kg	42296
	14	2.00	1500 m	3	8.7	Orange (OG)	PN 16	0.072 kg/m	131 kg	4134
	14	2.00	1500 m	3	8.7	Pink (PK)	PN 16	0.072 kg/m	131 kg	2150
	14	2.00	1500 m	3	8.7	Red (RD)	PN 16	0.072 kg/m	131 kg	42290
	14	2.00	1500 m	3	8.7	Turquoise (TQ)	PN 16	0.072 kg/m	131 kg	2149
	14	2.00	1500 m	3	8.7	Violet (VT)	PN 16	0.072 kg/m	131 kg	42297
	14	2.00	1500 m	3	8.7	White (WH)	PN 16	0.072 kg/m	131 kg	42295
	14	2.00	1500 m	3	8.7	Yellow (YE)	PN 16	0.072 kg/m	131 kg	42292
speedpipe-ground_16x2.0	16	2.00	1200 m	6.5	10.4	Black (BK)	PN 10	0.082 kg/m	121 kg	42494
	16	2.00	1200 m	6.5	10.4	Blue (BU)	PN 10	0.082 kg/m	121 kg	42499
	16	2.00	1200 m	6.5	10.4	Brown (BN)	PN 10	0.082 kg/m	121 kg	42495
	16	2.00	1200 m	6.5	10.4	Green (GN)	PN 10	0.082 kg/m	121 kg	42498
	16	2.00	1200 m	6.5	10.4	Grey (GY)	PN 10	0.082 kg/m	121 kg	1565
	16	2.00	1200 m	6.5	10.4	Orange (OG)	PN 10	0.082 kg/m	121 kg	42497
	16	2.00	1200 m	6.5	10.4	Pink (PK)	PN 10	0.082 kg/m	121 kg	1566
	16	2.00	1200 m	6.5	10.4	Red (RD)	PN 10	0.082 kg/m	121 kg	42496
	16	2.00	1200 m	6.5	10.4	Turquoise (TQ)	PN 10	0.082 kg/m	121 kg	42302
	16	2.00	1200 m	6.5	10.4	Violet (VT)	PN 10	0.082 kg/m	121 kg	1564
	16	2.00	1200 m	6.5	10.4	White (WH)	PN 10	0.082 kg/m	121 kg	42501
	16	2.00	1200 m	6.5	10.4	Yellow (YE)	PN 10	0.082 kg/m	121 kg	42500
speedpipe-ground_20x2.5	20	2.50	1400 m	8	12.5	Pink (PK)	PN 10	0.129 kg/m	216 kg	1349

All dimensions in mm. Subject to technical changes.



Direct burying

3.2 speedpipe coil.



Coil with speedpipe 7

APPLICATIONS FOR FIBRE OPTIC HOUSE CONNECTIONS.

speedpipe coils help to prepare and realize house connections efficiently. House branches from the speedpipe bundle can already be made when the main line is laid and can be laid on the property as required. The microduct can be laid from the speedpipe coil to the inside of the building for later connection. In areas where broadband expansion has not yet been completed, the speedpipe coil can be used to lay the microduct from the house to the street so that the microduct can then be connected to the main route at a later date. This means that new civil engineering work on private property can be avoided.

Features and benefits

- optimal for tight spaces
- easy transport with low total weight
- easy unwinding without special equipment
- accessories already professionally installed
- sealing elements: 0.5 bar gas- and water-tight, tensile and buriable

Type	Ø (D)	Length (L)	Colour	Weight	Total weight	Item no.
Ringbund_speedpipe-ground_7x1.5	7	25 m	Orange (OG)	0.63 kg	5 kg	3673
Ringbund_speedpipe-ground_10x2.0	10	25 m	Pink (PK)	1.208 kg	4 kg	3674
Ringbund_speedpipe-ground_12x2.0	12	25 m	Green-Yellow (GNYE)	1.514 kg	5 kg	3675

All dimensions in mm. Subject to technical changes.



Direct burying