



Microduct Assembly 12/10 mm

TPD 12/10 mm 1-7 -way S12

Features

- For direct burial
- 1, 2, 4 or 7 over-sheathed ducts
- 12/10 mm microducts
- Low friction inner surface for maximum installation lengths
- Longitudinal grooves for maximum installation lengths

Application

The tight protected duct assemblies consist of a number of microducts with an inner low friction surface that enables installation of micro cables or nano cables. The duct assemblies are bundled with a single or dual HDPE sheath depending on configuration. The design makes the ducts suitable for installation directly into the ground. The round structure enables easy splicing and sealing at joints and branch locations.

The integrated tracer wire saves time and installation cost since an additional wire for tracing is not required.

Design

The duct assemblies are available in several versions with 1 to 7 microducts.

12/10 mm microducts are optimized for installation of micro cables and nano cables. The microducts have a low-friction inner surface with longitudinal grooves for best blowing performance.

Product Information



Microducts and outer sheath: HDPE

Technical Information

Color Code	S12
Temperature, Operation [°C]	-40 to +60
Temperature, Storage [°C]	-40 to +60
Temperature, Installation [°C]	-20 to +50

Conformance

- Abrasion:** IEC 60794-1-2-E2B(1)
- Kink:** IEC 60794-1-2-E10, 20 x outer diameter
- Impact:** IEC 60794-1-2-E4
- Crush:** IEC 60794-1-2-E3
- Tensile:** IEC 60794-1-2-E
- Bend:** IEC 60794-1-2-E11A
- Torsion:** IEC 60794-1-2-E
- Flexibility:** IEC 60794-1-2-E8
- Inner Clearance:** IEC 60794-5-20, IEC 60794-5-10, Ann. D

Marking

Duct assemblies have markings showing the tube length.
 The individual microducts are numbered and also identified by their color and position in the bundle according to the S12 standard.

Technical Details

S12 Mikrorör 1-12 Microducts 1-12	1	2	3	4	5	6	7	8	9	10	11	12
	Orange	Gul Yellow	Röd Red	Vit White	Grön Green	Violett Violet	Blå Blue	Grå Grey	Turkos Turquoise	Svart Black	Brun Brown	Rosa Pink

S12 Mikrorör 1-24 Microducts 1-24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Orange 1	Gul 1 Yellow 1	Röd 1 Red 1	Vit 1 White 1	Grön 1 Green 1	Violett 1 Violet 1	Blå 1 Blue 1	Grå 1 Grey 1	Turkos 1 Turquoise 1	Svart 1 Black 1	Brun 1 Brown 1	Rosa 1 Pink 1	Orange 2	Gul 2 Yellow 2	Röd 2 Red 2	Vit 2 White 2	Grön 2 Green 2	Violett 2 Violet 2	Blå 2 Blue 2	Grå 2 Grey 2	Turkos 2 Turquoise 2	Svart 2 Black 2	Brun 2 Brown 2	Rosa 2 Pink 2

S12 Color Code Chart for Microduct Assemblies

Articles 11

Article name	Color	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]	Length [m]
Microduct 1x12/10 DB S12 RD 2/MPB30272/1M	Red	1x12/10	170	1300	2000	–	17	150	2000/K14, 500/K9, 1000/K11
Microduct 1x12/10 DB S12 GN 1/MPB30272/1M	Green	1x12/10	170	1300	2000	–	17	150	2000/K14, 500/K9, 1000/K11

Article name	Color	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]	Length [m]
Microduct 1x12/10 DB S12 BU 3/MPB30272/1M	Blue	1x12/10	170	1300	2000	–	17	150	2000/K14, 500/K9, 1000/K11
Microduct 4x12/10 DB S12 MPB30272/4M	Orange	4x12/10	360	4200	2000	15	36.4	556	2000/ K24/ 1300
Microduct 4x12/10 DB S12 RD 2/MPB30272/4M	Red	4x12/10	360	4200	2000	15	36.4	556	2000/ K24/ 1300
Microduct 4x12/10 DB S12 GN 1/MPB30272/4M	Green	4x12/10	360	4200	2000	15	36.4	556	2000/ K24/ 1300
Microduct 4x12/10 DB S12 BU 3/MPB30272/4M	Blue	4x12/10	360	4200	2000	15	36.4	556	2000/ K24/ 1300
Microduct 7x12/10 DB S12 MPB30272/7M	Orange	7x12/10	430	5300	2000	15	43.8	760	1000/K22
Microduct 7x12/10 DB S12 RD 2/MPB30272/7M	Red	7x12/10	430	5300	2000	15	43.8	760	1000/K22
Microduct 7x12/10 DB S12 GN 1/MPB30272/7M	Green	7x12/10	430	5300	2000	15	43.8	760	1000/K22
Microduct 7x12/10 DB S12 BU 3/MPB30272/7M	Blue	7x12/10	430	5300	2000	15	43.8	760	1000/K22