



# Microduct Assembly 20/16 mm with Tracer

TWD 20/16 mm 1 to 4 -way Tr, S12

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## Features

- For direct burial
- 1, 2 or 4 bundled ducts
- 20/16 mm microducts
- Low friction inner surface
- Integrated tracer wire under sheath

## Application

The thick walled microduct bundles consist of a number of microducts with an inner low friction surface that enables installation of micro cables or nano cables. The thick inner wall of the microducts allow for installation directly into the ground without the need for additional protection.

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 configurations with 1, 2 or 4 microducts.

20/16 mm microducts are optimized for installation of micro cables and nano cables. The microducts have a solid low-friction inner surface for best blowing performance.

## Product Information

Microducts and outer sheath: HDPE

Tracer Wire

**Single ducts:** 24 AWG (0.2 mm<sup>2</sup>)

**Microduct assemblies:** 18 AWG (0.8 mm<sup>2</sup>)

**Material:** Isolated, stranded copper

## Technical Information

<b>Color Code</b>	S12
<b>Temperature, Operation [°C]</b>	-40 to +60
<b>Temperature, Storage [°C]</b>	-40 to +60
<b>Temperature, Installation [°C]</b>	-20 to +50
<b>Conformance</b>	<p><b>Abrasion:</b> IEC 60794-1-2-E2B(1)</p> <p><b>Kink:</b> IEC 60794-1-2-E10, 20 x outer diameter</p> <p><b>Impact:</b> IEC 60794-1-2-E4</p> <p><b>Crush:</b> IEC 60794-1-2-E3</p> <p><b>Tensile:</b> IEC 60794-1-2-E</p> <p><b>Bend:</b> IEC 60794-1-2-E11A</p> <p><b>Torsion:</b> IEC 60794-1-2-E</p> <p><b>Flexibility:</b> IEC 60794-1-2-E8</p> <p><b>Inner Clearance:</b> IEC 60794-5-20, IEC 60794-5-10, Ann. D</p>

## Marking

Duct assemblies have markings showing the type and tube length. The individual microducts are identified by their colors.

12 different colors are used: 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
	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 3

Article name	EL-Nb.	Color	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]	Length [m]
<b>Microduct 1x20/16 DB S12 Tr OG</b> MPB30257/1BA	2800491	Orange	1x20/16	428	1400	1500	19	21.4	151	1000
<b>Microduct 2x20/16 S12 Tr OG 1000m</b> MPB30257/2BA-1	2800493	Orange	2x20/16	440	3000	8000	15	42.0 × 22.0	316	1000
<b>Microduct 4x20/16 S12 Tr OG</b> MPB30257/4BA	2800497	Orange	4x20/16	840	5300	2500	–	42.0 × 42.0	568	600