



# Microduct Assembly 20/16 mm

TWD 20/16 mm 2-4 -way S12

---

## Features

- For direct burial
- 2 or 4 bundled ducts
- 20/16 mm microducts
- Low friction inner surface
- Longitudinal grooves for maximum installation lengths

## Application

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

## Design

The duct assemblies are available in several configurations from 2 to 4 microducts. 20/16 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

<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>
<b>Marking</b>	<p>Duct assemblies have markings showing the type and tube length. The individual microducts are identified by their colors (color stripes).</p> <p>12 different colors are used: according to the S12 standard.</p> <p>The assemblies are available in various sheath colors for easy identification.</p>

## Technical Details

S12 Mikroör 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 Mikroör 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 2	Grå 1 Grey 1	Turkos 1 Turquoise 1	Svart 1 Black 1	Brun 1 Brown 1	Rosa 1 Pink 1
		13	14	15	16	17	18	19	20	21	22	23	24
		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 5

Article name	Color	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]
<b>Cable duct 2x20/16 S12 OG</b> MPB30256/2M	Orange	2x20/16	440	3000	8000	15	42 × 22	318
<b>Cable duct 2x20/16 S12 YE</b> 4/MPB30256/2M	Yellow	2x20/16	440	3000	8000	15	42 × 22	318
<b>Cable duct 2x20/16 S12 RD</b> 2/MPB30256/2M	Red	2x20/16	440	3000	8000	15	42 × 22	318
<b>Cable duct 2x20/16 S12 GN</b> 1/MPB30256/2M	Green	2x20/16	440	3000	8000	15	42 × 22	318
<b>Cable duct 4x20/16 S12 OG</b> MPB30256/4M	Orange	4x20/16	840	5300	–	–	42 × 42	568