



Microduct Assembly, Heavy-duty, 20/16 mm with Tracer

TWD, Heavy-duty, 20/16 mm 2-4 -way Tr, S12

Features

- Extra Heavy-duty design for direct buried installation
- UV protected for above ground use
- Double sheathed
- 2 or 4 sub-duct options
- 20/16 mm microduct system
- Low friction rilled inner surface for maximum installation lengths
- Integrated tracer wire

Application

The tight protected duct assemblies consist of a number of microducts with an inner low friction surface that enables air-blown installation of fiber optic micro cables. The inner surface of the microducts have longitudinal grooves for improved blowing performance.

The duct assemblies are bundled with double UV-resistant PE sheaths. This makes the ducts extra durable for direct installation into ground or above ground installation. The ducts are suitable for installation of micro cables.

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.

The tracer wire is made of an isolated copper wire, 18 AWG.

Product Information

Microducts and outer sheath: HDPE

Tracer Wire

Microduct assemblies: 18 AWG (0.8 mm²)

Material: Isolated, stranded copper

Technical Information

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

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
		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 2

Article name	Color	Layout	Bend Radius [mm]	Crush [N/100 mm]	Impact [J]	Diameter Ø [mm]	Dimensions [mm]	Weight [kg/km]
Microduct SRE-P 2x20/16 S12 BK Tr 8/MPB30300/2BA	Black	2x20/16	550	9000	55	20/16	26 × 46	544
Microduct SRE-P 4x20/16 S12 BK Tr 8/MPB30300/4BA	Black	4x20/16	950	3500	59	20/16	46 × 46	874