

# Microduct Assembly 7/3.5 mm

TWD 7/3.5 mm 4-24 way TIA598

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## Features

- For direct burial
- 4, 7, 12, 19 or 24 bundled ducts
- 7/3.5 mm microducts
- Low friction inner surface

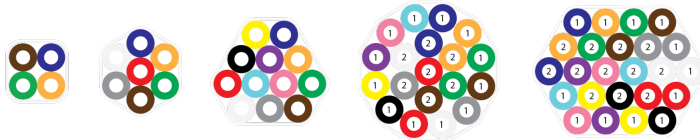
## Application

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 4 to 24 microducts. 7/3.5 mm microducts are optimized for installation of air-blown fibers and nano cables. The microducts have a solid low-friction inner surface 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	<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 tube length. The individual microducts are identified by their colours according to the TIA standard. Bundles of more than 12 ducts are also identified by numbers 1 and 2. The assemblies come with a white outer sheath, or with a customised outer sheath colour by special order.

### Technical Details

TIA-598 Microducts 1-24	1	2	3	4	5	6	7	8	9	10	11	12
	Blue 1	Orange 1	Green 1	Brown 1	Slate 1	White 1	Red 1	Black 1	Yellow 1	Violet 1	Rose 1	Aqua 1
	13	14	15	16	17	18	19	20	21	22	23	24
	Blue 2	Orange 2	Green 2	Brown 2	Slate 2	White 2	Red 2	Black 2	Yellow 2	Violet 2	Rose 2	Aqua 2

TIA 598 Color Code Chart for Microduct Assemblies

### Articles

Article name	Color	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]
<b>Microduct 4x7/3.5 TIA598</b> 5/MPB30278/4CG	White	4x7/3.5	210	1100	2500	15	15 x 15	175
<b>Microduct 7x7/3.5 TIA598</b> 5/MPB30278/7CG	White	7x7/3.5	220	2300	2500	15	22	250
<b>Microduct 12x7/3.5 TIA598</b> 5/MPB30278/12CG	White	12x7/3.5	300	3600	2500	15	30	455
<b>Microduct 19x7/3.5 TIA598</b> 5/MPB30278/19CG	White	19x7/3.5	360	5600	2500	15	36	455
<b>Microduct 24x7/3.5 TIA598</b> 5/MPB30278/24CG	White	24x7/3.5	440	7000	2500	15	44 x 33	798