



# Microduct Assembly 5/3.5 mm

TPD 5/3.5 mm 1-19-way, TIA598

---

## Features

- For installation in existing ducts
- 1, 2, 4, 7, 12, or 19 over-sheathed ducts
- 5/3.5 mm microducts
- Low friction inner surface for maximum installation lengths
- Excellent environmental properties

## Application

The tight protected duct assemblies consist of a number of microducts with an inner low friction, antistatic surface that enables installation of air blown fiber. The duct assemblies are bundled with a single HDPE sheath depending on configuration. The design makes the duct assemblies especially suitable for installation into narrow existing ducts (pipes) or pipes occupied with cables or other obstacles. The round structure enables easy splicing and sealing at joints and branch locations. The microducts are optimized for best performance in combination with the Hexatronic Stingray Air Blown Fibers and Hexatronic Raptor Nano Cables.

## Design

The duct assemblies are available in several versions with 1 to 19 microducts. Each microduct has an outer/inner diameter of 5/3.5 mm. These are suitable for installation of air blown fibers.

## Product Information

Microducts and outer sheath: HDPE

## Technical Information

<b>Color Code</b>	TIA598
<b>Conformance</b>	<b>Abrasion:</b> IEC 60794-1-2-E2B(1) <b>Kink:</b> IEC 60794-1-2-E10, 20 x outer diameter <b>Impact:</b> IEC 60794-1-2-E4 <b>Crush:</b> IEC 60794-1-2-E3 <b>Tensile:</b> IEC 60794-1-2-E <b>Bend:</b> IEC 60794-1-2-E11A <b>Torsion:</b> IEC 60794-1-2-E <b>Flexibility:</b> IEC 60794-1-2-E8 <b>Inner Clearance:</b> IEC 60794-5-20, IEC 60794-5-10, Ann. D
<b>Marking</b>	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 TIA598 standard. The assemblies are available in various sheath colors for easy identification.

## Technical Details

TIA-598 Microducts 1-12	1	2	3	4	5	6	7	8	9	10	11	12
	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

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

## Articles 6

Article name	Color	Layout	Weight [lbs/ktft]	Length [ft]
<b>Microduct 1x5/3.5 DI TIA</b> MPB302451U	Black	1x5/3.5	23	2000/K8, 1000/K6, 500/K5
<b>Microduct 2x5/3.5 DI TIA</b> MPB302452U	Black	2x5/3.5	38	2000/K9, 1000/K7, 500/K6
<b>Microduct 4x5/3.5 DI TIA</b> MPB302454U	Black	4x5/3.5	75	2000/K14, 1000/K11, 500/K9
<b>Microduct 7x5/3.5 DI TIA</b> MPB302457U	Black	7x5/3.5	107	2000/K16, 1000/K12, 500/K10
<b>Microduct 12x5/3.5 DI TIA</b> MPB3024512U	Black	12x5/3.5	161	2000/K20, 1000/K14, 500/K12
<b>Microduct 19x5/3.5 DI TIA</b> MPB3024519U	Black	19x5/3.5	223	2000/K22, 1000/K16, 500/K12