



# Lead in Microducts

7/3.5 & 5/3.5 mm 1 way lead in microducts TIA

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## Features

- Single way 7/3.5 or 5/3.5 mm microducts
- Low friction inner surface for maximum installation lengths
- Suitable for lead in applications in FTTH networks
- Ruggedised or primary tube variants
- Available with or without tracer wire

## Application

These single way duct assemblies consist of a microduct with an inner low friction, antistatic surface that enables installation of air blown fibers or nano cables. The round structure enables easy splicing and sealing at joints and branch locations. Available with a preinstalled tracer wire under the sheath on selected variants. The integrated tracer wire saves time and installation cost since an additional wire for tracing is not required.

## Design

The lead in duct assemblies are available in several versions. Each microduct has an inner diameter of 3.5 mm. These microducts are suitable for installation of air blown fiber units or nano cables.

## Product Information



Microduct: HDPE

Outer sheath: PE (ruggedised only)

Tracer wire: Tinned 24AWG stranded copper

## Technical Information

Colour Code	TIA
Temperature, Operation [°C]	-40 to +60
Temperature, Storage [°C]	-40 to +60
Temperature, Installation [°C]	-20 to +50

**Conformance**

- Abrasion:** IEC 60794-1-2-E2B(1)
- Kink:** IEC 60794-1-2-E10, 20 x outer diameter
- Impact:** IEC 60794-1-2-E4
- Crush:** IEC 60794-1-2-E3
- Tensile:** IEC 60794-1-2-E
- Bend:** IEC 60794-1-2-E11A
- Torsion:** IEC 60794-1-2-E7
- Flexibility:** IEC 60794-1-2-E8
- Inner Clearance:** IEC 60794-5-20, IEC 60794-5-10, Ann. D

**Marking**

Duct assemblies have markings showing the tube length. 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 Color Code Chart for Microduct Assemblies

## Articles

Article name	Colour	Layout	Tracer	Bend Radius [mm]	Tensile Force [N]	Crush Force Installation [N]	Crush [N/100m]	Impact [J]	Dimensions [mm]	Weight [kg/km]
Microduct Ruggedised 5/3.5 TIA 5/MPB901058/1CG	White	1x5/3.5	Yes	73	290	1800	1.5	7.3*	31	
Microduct Ruggedised 5/3.5 TIA 5/MPB901057/1CG	White	1x5/3.5	No	73	290	1800	1.5	7.3	31	
Primary Microduct 7/3.5 MPB30284/WH1	White	7/3.5	No	70	250	4000	4	7.0	27	
Microduct Ruggedised 7/3.5 TIA 5/MPB901053/1CG	White	1x7/3.5	Yes	92	500	2500	10	9.2*	54	
Microduct Ruggedised 7/3.5 TIA 5/MPB901055/1CG	White	1x7/3.5	No	92	500	2500	10	9.2	54	

\* nominal