

Microduct Assembly 5/3.5 mm

TPD 5/3.5 mm 4-19way TIA598

Features

- For direct burial
- 4, 7, 12 or 19 over-sheathed ducts
- 5/3.5 mm microducts
- Low friction inner surface for maximum installation lengths

Application

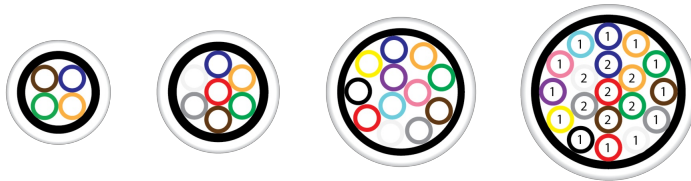
The tight protected duct assemblies consist of a number of microducts with an inner low friction, antistatic surface that enables installation of air blown fibers or nano cables. The duct assemblies are bundled with a dual sheath in this configuration. The design makes the ducts suitable for installation directly into the ground. The round structure enables easy splicing and sealing at joints and branch locations.

Design

The duct assemblies are available in several versions with 4 to 19 microducts.

Each microduct has an outer/inner diameter of 5/3.5 mm. These are suitable for installation of air blown fibers or nano cables.

Product Information



Microducts and outer sheath: HDPE

Intermediate sheath: HDPE or PP

Technical Information

Color Code	TIA598
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-E
- 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 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]
Microduct 4x5/3.5 DB TIA 5/MPB30244/4CG	White	4x5/3.5	190	450	2000	15	18.9	211
Microduct 7x5/3.5 DB TIA 5/MPB30244/7CG	White	7x5/3.5	220	750	2000	15	22.2	271
Microduct 12x5/3.5 DB TIA 5/MPB30244/12CG	White	12x5/3.5	290	1200	2000	15	27.1	400

Article name	Color	Layout	Bend Radius [mm]			Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]
Microduct 19x5/3.5 DB TIA 5/MPB30244/19CG	White	19x5/3.5	320	1900	2000	15	31.9	545		