

Microduct Assembly 12/10 mm

TPD 12/10 mm 1-7 way TIA598

Features

- For direct burial
- 1, 4 or 7 over-sheathed ducts
- 12/10 microducts
- Longitudinal grooves for maximum installation lengths

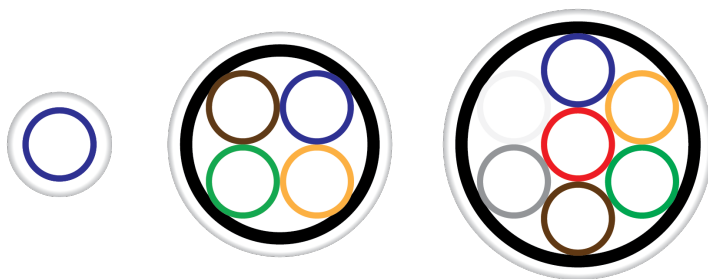
Application

The tight protected duct assemblies consist of a number of microducts with an inner low friction, antistatic surface that enables installation of micro cables or nano cables. The duct assemblies are bundled with a single or 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 1 to 7 microducts. Each microduct has an outer/inner diameter of 12/10 mm. These microducts are suitable for installation of micro cables or nano cables. The microducts have a low-friction inner surface with longitudinal grooves for best blowing performance.

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.
 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 1x12/10 DB TIA 5/MPB30272/1CG	White	1x12/10	170	1300	2000	–	17	150
Microduct 4x12/10 DB TIA 5/MPB30272/4CG	White	4x12/10	360	4200	2000	15	36.4	556
Microduct 7x12/10 DB TIA 5/MPB30272/7CG	White	7x12/10	430	5300	2000	15	43.8	760