

Microduct Assembly 12/10 + 5/3.5 mm

TPD 12/10 + 5/3.5 mm 11-27way TIA598

Features

- For direct burial
- 11, 15 or 27 over-sheathed ducts
- 12/10 and 5/3.5 mm microducts
- Low friction inner surface for maximum installation lengths
- Longitudinal grooves for maximum installation lengths in 12/10 mm ducts

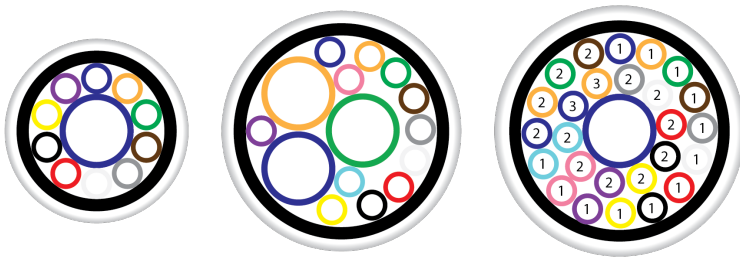
Application

The tight protected duct assemblies consist of a number of microducts with an inner low friction, antistatic surface that enables installation of micro cables, nano cables or air blown fibers. 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 11 to 27 microducts. Each microduct has an outer/inner diameter of 12/10 mm or 5/3.5 mm. Both the 12/10 mm and 5/3.5 mm microducts are suitable for installation of air blown fibers or nano cables and the 12/10 mm microduct can also be used for blowing micro 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, 2 and 3 as required. 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+10x5/3.5 DB TIA 5/MPB30244/11CG	White	1x12/ 10+10x5/ 3.5	290	1200	2000	15	29.0	420
Microduct 3x12/10+12x5/3.5 DB TIA 5/MPB30291/15CG	White	3x12/ 10+12x5/ 3.5	390	2600	2000	15	38.9	643
Microduct 1x12/10+26x5/3.5 DB TIA 5/MPB30291/26CG	White	1x12/ 10+26x5/ 3.5	410	2600	2000	15	40.6	730