

Microduct Assembly 7/3.5 + 14/10mm

TWD 7/3.5 + 14/10mm 6-25 way TIA598

Features

- For direct burial
- 6, 10, 14, 19, 22 or 25 bundled ducts
- 7/3.5 mm and 14/10 mm microducts
- Low friction inner surface
- Longitudinal grooves for maximum installation lengths in 14/10 mm ducts

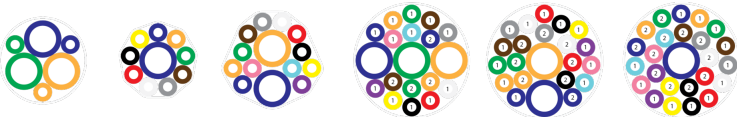
Application

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 thick inner wall of the microducts allow for installation directly into the ground without the need for additional protection.

Design

The duct assemblies are available in several configurations from 6 to 25 microducts. Both the 14/10 mm and 7/3.5 mm microducts are suitable for installation of air blown fibers or nano cables and the 1/10 mm microduct can also be used for blowing micro cables. The microducts have a low-friction inner surface for best blowing performance.

Product Information



Microducts and outer sheath: HDPE

Technical Information

Color Code	TIA598
Temperature, Operation [°C]	-40 to +60
Temperature, Storage [°C]	-40 to +60
Temperature, Installation [°C]	-20 to +50
Conformance	<p>Abrasion: IEC 60794-1-2-E2B(1)</p> <p>Kink: IEC 60794-1-2-E10, 20 x outer diameter</p> <p>Impact: IEC 60794-1-2-E4</p> <p>Crush: IEC 60794-1-2-E3</p> <p>Tensile: IEC 60794-1-2-E</p> <p>Bend: IEC 60794-1-2-E11A</p> <p>Torsion: IEC 60794-1-2-E</p> <p>Flexibility: IEC 60794-1-2-E8</p> <p>Inner Clearance: IEC 60794-5-20, IEC 60794-5-10, Ann. D</p>

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	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Diameter Ø [mm]	Weight [kg/km]
Microduct 3x14/10+3x7/3.5 TWD TIA 5/MPB30279/6CG	3x14/ 10+3x7/ 3.5	-	-	2500	15	31	-
Microduct 1x14/10+9x7/3.5 TWD TIA 5/MPB30279/10CG	1x14/ 10+9x7/ 3.5	-	-	2500	15	31	-
Microduct 2x14/10+12x7/3.5 TWD TIA 5/MPB30279/14CG	2x14/ 10+12x7/ 3.5	-	-	2500	15	37	-
Microduct 3x14/10+16x7/3.5 TWD TIA 5/MPB30279/19CG	3x14/ 10+16x7/ 3.5	700	4500	2500	15	44	800
Microduct 2x14/10+20x7/3.5 TWD TIA 5/MPB30279/22CG	2x14/ 10+20x7/ 3.5	700	4700	2500	15	44	813
Microduct 1x14/10+24x7/3.5 TWD TIA 5/MPB30279/25CG	1x14/ 10+24x7/ 3.5	600	4900	2500	15	44	855