

Microduct Assembly 5/3.5 mm

TPD 5/3.5 mm 4-19 way TIA598 Termite Protected

Features

- For installation in existing ducts
- 4, 7, 12 or 19 over-sheathed ducts
- 5/3.5 mm microducts
- Low friction inner surface for maximum installation lengths
- Excellent environmental properties
- Termite protected nylon coated microducts

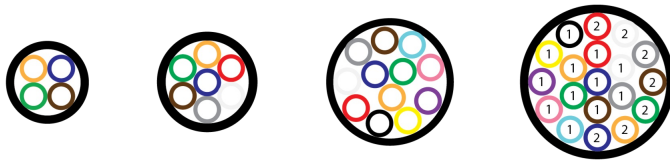
Application

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. The duct assemblies are bundled with a single HDPE or PP sheath depending on configuration. The design makes the duct assemblies especially suitable for installation into narrow existing ducts, conduit or pipes occupied with cables or other obstacles. The round structure enables easy splicing and sealing at joints and branch locations. The nylon layer applied to each microduct makes these assemblies suited to termite prone areas even where the outer jacket is removed for branching or routing.

Design

The duct assemblies are available in several versions with 4 to 19 microducts. Each microduct has an outer and inner diameter of 5/3.5 mm. These microducts are suitable for installation of air blown fiber units or nano cables.

Product Information



Microducts: HDPE and Nylon

Outer Sheath: HDPE or PP

Technical Information

Product Color	Black
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 black 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 5

Article name	Color	Layout	Bend Radius [mm]	Tensile Force [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]
Microduct 1x5/3.5 DI TIA PA MPB30323/1B	Black	1x5/3.5	75	290	1800	1.5	7.3	31
Microduct 4x5/3.5 DI TIA PA MPB30323/4B	Black	4x5/3.5	190	400	1000	3	14.9	211
Microduct 7x5/3.5 DI TIA PA MPB30323/7B	Black	7x5/3.5	220	600	1000	3	18.2	271
Microduct 12x5/3.5 DI TIA PA MPB30323/12B	Black	12x5/3.5	290	1000	1000	3	23.1	400
Microduct 19x5/3.5 DI TIA PA MPB30323/19B	Black	19x5/3.5	320	1700	1000	3	27.5	545