



# Microduct Assembly 14/10 mm

**TWD 14/10 mm 2-7 way TIA598 Termite Protected**

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## Features

- For direct burial
- 2, 4 or 7 bundled ducts
- 14/10 mm microducts
- Low friction inner surface
- Longitudinal grooves for maximum installation lengths
- Termite protected nylon sheathed microducts
- Optional integrated tracer wire

## Application

The thick walled microduct are designed with an inner low friction surface that enables installation of micro cables or nano cables. The thick wall of the microducts allow for installation directly into the ground without the need for additional protection. The nylon layer applied to each microduct makes these assemblies suited to termite prone areas even in pits and at branches where the outer jacket is removed. Where optioned, the integrated tracer wire saves time and installation cost since an additional wire for tracing is not required.

## Design

The duct assemblies are available in several configurations from 2 to 7 microducts.

14/10 mm microducts are optimized for installation of micro cables and nano cables. The microducts have a low-friction inner surface with longitudinal grooves for best blowing performance.

## Product Information



**Microducts:** HDPE and Nylon

**Outer sheath:** HDPE

**Tracer wire:** 24 AWG Tinned Copper (optional)

## Technical Information

<b>Product Color</b>	White
<b>Color Code</b>	TIA598
<b>Temperature, Operation [°C]</b>	-40 to +60
<b>Temperature, Storage [°C]</b>	-40 to +60
<b>Temperature, Installation [°C]</b>	-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 6**

Article name	Color	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]
Microduct 2x14/10 TWD TIA PA 5/MPB30324/2CT	White	2x14/10	250	1800	9500	28	29.4 × 15.4	193
Microduct 4x14/10 TWD TIA PA 5/MPB30324/4CT	White	4x14/10	400	3300	3000	25	29.4 × 29.4	354
Microduct 7x14/10 TWD TIA PA 5/MPB30324/7CT	White	7x14/10	550	5500	4500	27	43.4	587
Microduct 2x14/10 TWD TIA PA Tracer 5/MPB30324/2CU	White	2x14/10	250	1800	9500	28	29.4 × 15.4	193
Microduct 4x14/10 TWD TIA PA Tracer 5/MPB30324/4CU	White	4x14/10	400	3300	3000	25	29.4 × 29.4	354
Microduct 7x14/10 TWD TIA PA Tracer 5/MPB30324/7CU	White	7x14/10	550	5500	4500	27	43.4	587