



# Microduct Assembly 16/12 mm with Tracer

TWD 16/12 mm 1-7 -way Tr, TIA598 ft

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## Features

- For direct burial
- 1, 2, 4 or 7 bundled ducts
- 16/12 mm microducts
- Low friction inner surface
- Longitudinal grooves for maximum installation lengths
- Integrated tracer wire under sheath
- Ripcord optional (1-way always supplied with ripcord)

## Application

The thick walled microduct are designed with an inner low friction surface that enables installation of micro cables or nano cables. The thick inner wall of the microducts allow for installation directly into the ground without the need for additional protection.

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 1 to 7 microducts.

16/12 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 and outer sheath: HDPE

Tracer Wire: 20 AWG

Material: Isolated, stranded copper

## Technical Information

Color Code	TIA598
Temperature, Operation [°C]	-40 to +60
Temperature, Storage [°C]	-40 to +60
Temperature, Installation [°C]	-20 to +50

**Conformance**

**ASTM F2160:** Standard Specification for solid wall HDPE conduit based on controlled outside diameter.

**ASTM D3350 (CELL CLASSIFICATION 334480C OR E):** Standard Specification for PE plastic pipe and fitting materials-resins exceeding the above cell class in one or more properties is acceptable.

**BELLCORE GR-356-CORE – (SECTION 4.2.5):** Siloxane additive in duct wall for permanent low Coefficient of Friction per Bellcore Specification.

**TESTING:** All microducts are tested before and after overshooth with a metal ball 85% of ID.

**Marking**

Duct assemblies have markings showing the tube length. The individual microducts are numbered and also identified by their color and position in the bundle according to the TIA598 standard. The assemblies are available in various sheath colors for easy identification.

**Technical Details**

TIA-598 Microducts 1-12	1	2	3	4	5	6	7	8	9	10	11	12	
	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua	
	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	Crush [N/100 mm]	Impact [J]	Dimensions [mm]
<b>Microduct 1x16/12 Tr, Orange, Ripcord</b> H11OR-H1-RC-T20N	Orange	1x16/12	–	–	19
<b>Microduct 2x16/12 Tr, Orange</b> H21OR-H1-T20N	Orange	2x16/12	–	–	19 × 35
<b>Microduct 2x16/12 Tr, Orange, Ripcord</b> H21OR-H1-RC-T20N	Orange	2x16/12	9000	26	19 × 35
<b>Microduct 4x16/12 Tr, Orange</b> H41OR-H1-T20N	Orange	4x16/12	3000	29	35 × 35mm
<b>Microduct 4x16/12 Tr, Orange, Ripcord</b> H41OR-H1-RC-T20N	Orange	4x16/12	3000	29	35 × 35mm
<b>Microduct 7x16/12 Tr, Orange</b> H71OR-H1-T20N	Orange	7x16/12	–	–	51
<b>Microduct 7x16/12 Tr, Orange, Ripcord</b> H71OR-H1-RC-T20N	Orange	7x16/12	–	–	51