



# 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

## 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.

## 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

## Technical Information

<b>Color Code</b>	TIA598
<b>Temperature, Operation [°F]</b>	-40 to 140 (-40 to +60°C)
<b>Temperature, Storage [°F]</b>	-40 to 140 (-40 to +60°C)
<b>Temperature, Installation [°F]</b>	-4 to +122 (-20 to +50°C)
<b>Conformance</b>	<p><b>Abrasion:</b> IEC 60794-1-2-E2B(1)</p> <p><b>Kink:</b> IEC 60794-1-2-E10, 20 x outer diameter</p> <p><b>Impact:</b> IEC 60794-1-2-E4</p> <p><b>Crush:</b> IEC 60794-1-2-E3</p> <p><b>Tensile:</b> IEC 60794-1-2-E</p> <p><b>Bend:</b> IEC 60794-1-2-E11A</p> <p><b>Torsion:</b> IEC 60794-1-2-E</p> <p><b>Flexibility:</b> IEC 60794-1-2-E8</p> <p><b>Inner Clearance:</b> IEC 60794-5-20, IEC 60794-5-10, Ann. D</p>
<b>Marking</b>	<p>Duct assemblies have markings showing the type and tube length. The individual microducts are identified by their colors.</p> <p>12 different colors are used according to the TIA598 standard.</p> <p>The assemblies are available in various sheath colors for easy identification.</p>

## 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

## Articles 5

Article name	Color	Layout	Bend Radius [in]	Tensile Force, Installation [lbs]	Dimensions [in]	Weight [lbs/100ft]
<b>Microduct 1x16/12 TIA Tr OG ft</b> MPB302971UV	Orange	1x16/12	—	247	0.69 (17.4mm)	81
<b>Microduct 2x16/12 TIA Tr OG ft</b> MPB302972UV	Orange	2x16/12	9.8	540	0.71x1.34 (18x34)	168
<b>Microduct 3x16/12 Tr Orange ft</b> MPB302973UV	Orange	3x16/12	15.7	740	1.26x1.34 (31.9x34.0mm)	235
<b>Microduct 4x16/12 Tr Orange ft</b> MPB302974UV	Orange	4x16/12	21.7	944	1.34x1.34 (34x34mm)	278
<b>Microduct 7x16/12 Tr Orange ft</b> MPB302977UV	Orange	7x16/12	25	1600	1.97x1.80 (50.0x45.7)	490