



Microduct Assembly 18/14 mm with Tracer

TWD 18/14 mm 1-7 -way Tr, TIA598 ft

Features

- For direct burial
- 1, 2, 4 or 7 bundled ducts
- 18/14 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.

18/14 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

Color Code	TIA598
Temperature, Operation [°F]	-40 to 140 (-40 to +60°C)
Temperature, Storage [°F]	-40 to 140 (-40 to +60°C)
Temperature, Installation [°F]	-4 to +122 (-20 to +50°C)
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	<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 4

Article name	Color	Layout	Band Radius [in]	Tensile Force [lbs]	Dimensions [in]	Weight [lbs/100ft]
Microduct 1x18/14 Tr Orange ft MPB302501UV	Orange	1x18/14	8	292	0.76 (19.4mm)	90
Microduct 2x18/14 Tr Orange ft MPB302502UV	Orange	2x18/14	12	610	0.79x1.50 (20x38mm)	190
Microduct 4x18/14 Tr Orange ft MPB302504UV	Orange	4x18/14	23.6	1290	1.50x1.50 (38x38mm)	340
Microduct 7x18/14 Tr Orange ft MPB302507UV	Orange	7x18/14	31	1753	2.20x2.02 (56x51.2mm)	555