



Microduct Assembly 10/8 mm with Tracer

TPD 10/8 mm 1-7 -way Tr, TIA598 ft

Features

- For direct burial
- 1, 2, 4 or 7 over-sheathed ducts
- 10/8 mm microducts
- Low friction inner surface for maximum installation lengths
- Longitudinal grooves for maximum installation lengths
- Integrated tracer wire under sheath

Application

The tight protected duct assemblies consist of a number of microducts with an inner low friction surface that enables installation of micro cables or nano cables. The duct assemblies are bundled with a single or dual HDPE sheath depending on configuration. The design makes the ducts suitable for installation directly into the ground. The round structure enables easy splicing and sealing at joints and branch locations.

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 versions with 1 to 7 microducts.

10/8 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

Single ducts: 24 AWG (0.2 mm²)

Microduct assemblies: 18 AWG (0.8 mm²)

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	<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

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.

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 12

Article name	Color	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]	Length [m]
Microduct 1x10/8 DB TIA Tr ft MPB302701UV	Gray/Slate	1x10/8	–	–	–	–	146	2000/K12, 1000/K10, 500/K8	
Microduct 1x10/8 DB TIA Tr ft 1640ft MPB302701UV6	Gray/Slate	1x10/8	–	–	–	–	146	500/K8	
Microduct 1x10/8 DB TIA Tr ft 3280ft MPB302701UV7	Gray/Slate	1x10/8	–	–	–	–	146	1000/K10	
Microduct 1x10/8 DB TIA Tr ft 6560ft MPB302701UV8	Gray/Slate	1x10/8	–	–	–	–	146	2000/K12	
Microduct 4x10/8 DB TIA Tr ft MPB302704UV	Gray/Slate	4x10/8	400	1500	3000	10	27.3	240	2000/K24, 1000/K18
Microduct 4x10/8 DB TIA Tr ft 1640ft MPB302704UV6	Gray/Slate	4x10/8	400	1500	3000	10	27.3	240	500/K14
Microduct 4x10/8 DB TIA Tr ft 3280ft MPB302704UV7	Gray/Slate	4x10/8	400	1500	3000	10	27.3	240	1000/K18
Microduct 4x10/8 DB TIA Tr ft 6560ft MPB302704UV8	Gray/Slate	4x10/8	400	1500	3000	10	27.3	240	2000/K22
Microduct 7x10/8 DB TIA Tr ft MPB302707UV	Gray/Slate	7x10/8	600	7000	–	–	575	2000/K24/1300, 1000/K22, 500/K20	

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Microduct7x10/8 DB TIA Tr ft 1640ft MPB302707UV6	Gray/Slate	7x10/8	600	7000	–	–	–	575	500/K14
Microduct7x10/8 DB TIA Tr ft 3280ft MPB302707UV7	Gray/Slate	7x10/8	600	7000	–	–	–	575	1000/K18
Microduct7x10/8 DB TIA Tr ft 6560ft MPB302707UV8	Gray/Slate	7x10/8	600	7000	–	–	–	575	2000/K24