



Microduct Assembly 10/8 mm with Tracer

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

Features

- For installation in existing ducts
- 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 HDPE sheath. The design makes the duct assemblies especially suitable for installation into narrow existing ducts (pipes) or pipes occupied with cables or other obstacles. 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

TIA 598 Color Code Chart for Microduct Assemblies

Articles 12

Article name	Color	Layout	Bend Radius [mm]	Tensile Force [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]
Microduct 1x10/8 DI TIA Tr MPB302901UV	Black	1x10/8	-	-	-	-	240	
Microduct 1x10/8 DI TIA Tr 1640ft MPB302901UV6	Black	1x10/8	-	-	-	-	240	
Microduct 1x10/8 DI TIA Tr 3280ft MPB302901UV7	Black	1x10/8	-	-	-	-	240	
Microduct 1x10/8 DI TIA Tr 6560ft MPB302901UV8	Black	1x10/8	-	-	-	-	240	
Microduct 4x10/8 DI TIA Tr MPB302904UV	Black	4x10/8	400	1500	3000	10	27.3	240
Microduct 4x10/8 DI TIA Tr 1640ft MPB302904UV6	Black	4x10/8	400	1500	3000	10	27.3	240
Microduct 4x10/8 DI TIA Tr 3280ft MPB302904UV7	Black	4x10/8	400	1500	3000	10	27.3	240
Microduct 4x10/8 DI TIA Tr 6560ft MPB302904UV8	Black	4x10/8	400	1500	3000	10	27.3	240
Microduct 7x10/8 DI TIA Tr MPB302907UV	Black	7x10/8	550	2050	3000	10	33.2	343
Microduct 7x10/8 DI TIA Tr 1640ft MPB302907UV6	Black	7x10/8	550	2050	3000	10	33.2	343

Article name	Color	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]
Microduct 7x10/8 DI TIA Tr 3280ft MPB302907UV7	Black	7x10/8	550	2050	3000	10	33.2	343
Microduct 7x10/8 DI TIA Tr 6560ft MPB302907UV8	Black	7x10/8	550	2050	3000	10	33.2	343