



# Microduct 14/10 mm

## TWD 14/10 mm Primary Tube

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### Features

- For direct burial
- 14/10 mm microducts
- Low friction inner surface
- Longitudinal grooves for maximum installation lengths

## 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

14/10 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:** HDPE

## Technical Information

<b>Temperature, Operation [°C]</b>	-40 to +60
<b>Temperature, Storage [°C]</b>	-40 to +60
<b>Temperature, Installation [°C]</b>	-20 to +50
<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>Microducts have markings showing the type and tube length. The individual microducts are identified by their colors.</p> <p>12 different colors are available: orange, yellow, red, white, green, violet, blue, grey, turquoise, black, brown, pink.</p>

## Articles 40

Article name	EL-Nb.	Color	Layout	Bend Radius [mm]	Tensile Force [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]	Weight in Water [kg/km]	Length [m]
<b>Microduct 14/10 OD Orange 1</b> MPB30285/OG1	2804283	Orange	14/10	140	700	2000	8	14	72	-	2000/K12, 1000/K9, 500/K8
<b>Microduct 14/10 OG1 1000 m</b> MPB30285/OG1-1	2804283	Orange	14/10	140	700	2000	8	14	72	-	1000/K9
<b>Microduct 14/10 OG1 680m</b> MPB30285/OG1-5	2800289	Orange	14/10	140	700	2000	8	14	72	-	680/K8
<b>Microduct 14/10 OD OG1 100m</b> MPB30285/OG1-10		Orange	14/10	-	-	-	-	14	0.1	-	-
<b>Microduct 14/10 OD Yellow 1</b> MPB30285/YE1	2804284	Yellow	14/10	140	700	2000	8	14	72	-	2000/K12, 1000/K9, 500/K8
<b>Microduct 14/10 YE1 1000 m</b> MPB30285/YE1-1		Yellow	14/10	140	700	2000	8	14	72	-	1000/K9
<b>Microduct 14/10 YE1 680m</b> MPB30285/YE1-5		Yellow	14/10	140	700	2000	8	14	72	-	680/K8
<b>Microduct 14/10 OD YE1 100m</b> MPB30285/YE1-10		Yellow	14/10	-	-	-	-	14	100	-	-
<b>Microduct 14/10 OD Red 1</b> MPB30285/RD1	2804285	Red	14/10	140	700	2000	8	14	72	-	2000/K12, 1000/K9, 500/K8
<b>Microduct 14/10 OD RD1 100m</b> MPB30285/RD1-10		Red	14/10	-	-	-	-	14	100	-	-
<b>Microduct 14/10 RD1 1000 m</b> MPB30285/RD1-1		Red	14/10	140	700	2000	8	14	72	-	1000/K9
<b>Microduct 14/10 RD1 680m</b> MPB30285/RD1-5		Red	14/10	140	700	2000	8	14	72	-	680/K8
<b>Microduct 14/10 OD WH1 100m</b> MPB30285/WH1-10		White	14/10	-	-	-	-	14	0.1	100	-
<b>Microduct 14/10 OD White 1</b> MPB30285/WH1	2804286	White	14/10	140	700	2000	8	14	72	-	2000/K12, 1000/K9, 500/K8
<b>Microduct 14/10 WH1 1000 m</b> MPB30285/WH1-1		White	14/10	140	700	2000	8	14	72	-	1000/K9
<b>Microduct 14/10 WH1 680m</b> MPB30285/WH1-5		White	14/10	140	700	2000	8	14	72	-	680/K8
<b>Microduct 14/10 OD Green 1</b> MPB30285/GN1		Green	14/10	140	700	2000	8	14	72	-	2000/K12, 1000/K9, 500/K8
<b>Microduct 14/10 GN1 1000 m</b> MPB30285/GN1-1		Green	14/10	140	700	2000	8	14	72	-	1000/K9
<b>Microduct 14/10 GN1 680m</b> MPB30285/GN1-5		Green	14/10	140	700	2000	8	14	72	-	680/K8

Article name	EL.-No.	Color	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]	Weight in Water [kg/km]	Length [m]
<b>Microduct 14/10 OD Violet 1</b> MPB30285/VT1	2804289	Violet	14/10	140	700	2000	8	14	72	-	2000/K12, 1000/K9, 500/K8
<b>Microduct 14/10 VT1 1000 m</b> MPB30285/VT1-1		Violet	14/10	140	700	2000	8	14	72	-	1000/K9
<b>Microduct 14/10 VT1 680m</b> MPB30285/VT1-5		Violet	14/10	140	700	2000	8	14	72	-	680/K8
<b>Microduct 14/10 OD Blue 1</b> MPB30285/BU1		Blue	14/10	140	700	2000	8	14	72	-	2000/K12, 1000/K9, 500/K8
<b>Microduct 14/10 BU1 1000 m</b> MPB30285/BU1-1		Blue	14/10	140	700	2000	8	14	72	-	1000/K9
<b>Microduct 14/10 BU1 680m</b> MPB30285/BU1-5		Blue	14/10	140	700	2000	8	14	72	-	680/K8
<b>Microduct 14/10 OD Grey 1</b> MPB30285/GY1		Gray/Slate	14/10	140	700	2000	8	14	72	-	2000/K12, 1000/K9, 500/K8
<b>Microduct 14/10 GY1 1000 m</b> MPB30285/GY1-1		Gray/Slate	14/10	140	700	2000	8	14	72	-	1000/K9
<b>Microduct 14/10 GY1 680m</b> MPB30285/GY1-5		Gray/Slate	14/10	140	700	2000	8	14	72	-	680/K8
<b>Microduct 14/10 OD Turquoise</b> MPB30285/TQ1		Turquoise/ Aqua	14/10	140	700	2000	8	14	72	-	2000/K12, 1000/K9, 500/K8
<b>Microduct 14/10 TQ1 1000 m</b> MPB30285/TQ1-1		Turquoise/ Aqua	14/10	140	700	2000	8	14	72	-	1000/K9
<b>Microduct 14/10 TQ1 680m</b> MPB30285/TQ1-5		Turquoise/ Aqua	14/10	140	700	2000	8	14	72	-	680/K8
<b>Microduct 14/10 OD Black 1</b> MPB30285/BK1		Black	14/10	140	700	2000	8	14	72	-	2000/K12, 1000/K9, 500/K8
<b>Microduct 14/10 BK1 1000 m</b> MPB30285/BK1-1		Black	14/10	140	700	2000	8	14	72	-	1000/K9
<b>Microduct 14/10 BK1 680m</b> MPB30285/BK1-5		Black	14/10	140	700	2000	8	14	72	-	680/K8
<b>Microduct 14/10 OD Brown 1</b> MPB30285/BN1		2804293	Brown	14/10	140	700	2000	8	14	72	-
<b>Microduct 14/10 BN1 1000 m</b> MPB30285/BN1-1	Brown		14/10	140	700	2000	8	14	72	-	1000/K9
<b>Microduct 14/10 BN1 680m</b> MPB30285/BN1-5	Brown		14/10	140	700	2000	8	14	72	-	680/K8
<b>Microduct 14/10 OD Pink 1</b> MPB30285/PK1	Pink/Rose		14/10	140	700	2000	8	14	72	-	2000/K12, 1000/K9, 500/K8

Article name	EL.-No.	Color	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]	Weight in Water [kg/km]	Length [m]
Microduct 14/10 PK1 1000 m MPB30285/PK1-1		Pnk/Rbse	14/10	140	700	2000	8	14	72	–	1000/K9
Microduct 14/10 PK1 680m MPB30285/PK1-5		Pnk/Rbse	14/10	140	700	2000	8	14	72	–	680/K8