



# Microduct Assembly 7/3.5 mm

TWD 7/3.5 mm 1 - 12 way KNZ

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## Features

For direct burial

1, 2, 4, 7, or 12 bundled ducts

7/3.5 mm microducts

Low friction inner surface

Integrated tracer wire under sheath

## Application

The thick-walled microduct bundles consist of several microducts with an inner low friction surface that enables the installation of air-blown fibre units or nano cables. The thick inner wall of the microducts allows for installation directly into the ground without the need for additional protection.

The integrated tracer wire saves time and installation cost since an additional wire for tracing is not required.

## Design

7/3.5 mm microducts are optimized for the installation of air-blown fibres and nano cables. The microducts have a solid low-friction inner surface for best blowing performance.

## Product Information

Microducts and outer sheath: HDPE

Tracer Wire

## Technical Information

<b>Color Code</b>	KNZ
<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>Duct assemblies have markings showing the type and tube length. The individual microducts are identified by their colours and tube number.</p> <p>The assemblies are available in various sheath colours for easy identification.</p>

## Technical Details

KNZ Microducts 4-way	1 Green 1	2 White 1	3 Blue 1	4 Red 1																				
KNZ Microducts 7-way	1 Green 1	2 White 1	3 White 2	4 Yellow 1	5 Yellow 2	6 Blue 1	7 Red 1																	
KNZ Microducts 12-way	1 Green 1	2 White 1	3 Red 1	4 Green 2	5 Yellow 1	6 Yellow 2	7 Yellow 3	8 Yellow 4	9 Blue 1	10 Blue 2	11 Blue 3	12 Red 2												
KNZ Microducts 24-way	1 Green 1	2 White 1	3 White 2	4 White 3	5 White 4	6 White 5	7 White 6	8 White 7	9 Red 1	10 Green 2	11 Yellow 1	12 Yellow 2	13 Yellow 3	14 Yellow 4	15 Yellow 5	16 Yellow 6	17 Yellow 7	18 Blue 1	19 Blue 2	20 Blue 3	21 Blue 4	22 Blue 5	23 Blue 6	24 Red 2

KNZ Korea - New Zealand Color Code Chart for Microduct Assemblies

## Articles 9

Article name	Color	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Diameter Ø [mm]	Dimensions [mm]	Weight [kg/km]	Length [m]	Form of Delivery
<b>Microduct 1x7/3.5 with trace wire</b> MPB901053/1	Black	1x7/3.5	140	250	-	-	9.2	-	-	500m	-	
<b>Microduct 1x7/3.5 with trace wire</b> 2/MPB901054/1	Red	1x7/3.5	140	260	-	-	10	-	-	500m	-	
<b>Microduct 1x7/3.5 without trace wire</b> 2/MPB901055/1	Red	1x7/3.5	140	250	-	-	9.2	-	-	500m	-	
<b>Microduct 4x7/3.5, Red</b> 2/MPB30286/4	Red	4x7/3.5	210	1100	2500	15	-	15 × 15	175	1000	Drum	
<b>Microduct 4x7/3.5, Green</b> 1/MPB30286/4	Green	4x7/3.5	210	1100	2500	15	-	15 × 15	175	1000	Drum	
<b>Microduct 7x7/3.5, Green</b> 1/MPB30286/7	Green	7x7/3.5	220	2300	2500	15	-	22	250	1000	Drum	
<b>Microduct 7x7/3.5 Red</b> 2/MPB30286/7	Red	7x7/3.5	220	2300	2500	15	-	22	250	1000	Drum	
<b>Microduct 12x7/3.5, Green</b> 1/MPB30286/12	Green	12x7/3.5	300	3600	2500	15	30	-	0.455	1000	-	
<b>Microduct 12x7/3.5, Red</b> 2/MPB30286/12	Red	12x7/3.5	300	3600	2500	15	30	-	0.455	1000	-	