



Microduct Assembly 14/10 mm

TWD 14/10 mm 4-7 way, KNZ

Features

- For direct burial
- 4 or 7 bundled ducts
- 14/10 mm microducts
- Low friction inner surface
- Longitudinal grooves for maximum installation lengths

Trace wire for the duct assembly traceability

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 configurations of 4 and 7 microducts.

14/10 mm microducts are optimized for the 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	KNZ
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	<p>Duct assemblies have markings showing the tube length.</p> <p>The individual microducts are indentified by their colours according to the New Zealand standard.</p> <p>The assemblies come with a red or green outer sheath or with a customised outer sheath colour by particular order.</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 4

Article name	Color	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]
Microduct 4x14/10, Green 1/MPB30283/4NZ	Green	400	3300	3000	25	29.4 × 29.4	354
Microduct 4x14/10, Red 2/MPB30283/4NZ	Red	400	3300	3000	25	29.4 × 29.4	354
Microduct 7x14/10, Green 1/MPB30283/7NZ	Green	550	5500	4500	27	43.4	587
Microduct 7x14/10, Red 2/MPB30283/7NZ	Red	550	5500	4500	27	43.4	587