

Application

The tight protected duct assemblies consist of a number of microducts with an inner low friction, antistatic surface that enables installation of air blown fibers. The duct assemblies are bundled with a single HDPE sheath depending on configuration. 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.

Design

The duct assemblies are available in several versions with 1 to 26 microducts.

Each microduct has an outer/inner diameter of 5/3.5 mm. The center duct of 24 and 26-way assemblies is 10/8 resp. 12/10 mm and can be used for blowing in a micro cable.

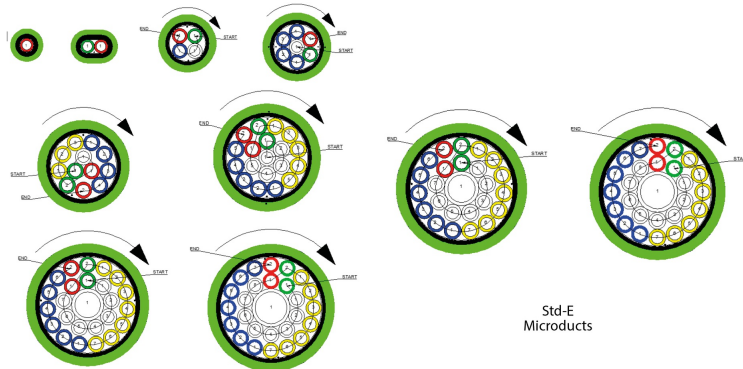
Product Information

Microducts and outer sheath: HDPE

Technical Information

Color Code	STDE
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 numbered and also identified by their color and position in the bundle according to the StdE reference.</p> <p>The assemblies are available in various sheath colors for easy identification.</p>

Technical Details



StdE Color Code Chart for Microduct Assemblies

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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 1x5/3.5 DI MPB30245/1	Black	1x5/3.5	120	150	450	—	7.4	34	1000/K6, 2000/K8, 4000/K10
Microduct 4x5/3.5 DI MPB30245/4	Black	4x5/3.5	190	400	1000	3	14.9	112	1000/K11, 500/K9, 4000/K18, 2000/K14
Microduct 7x5/3.5 DI MPB30245/7	Black	7x5/3.5	220	600	1000	3	18.2	159	4000/K20, 1000/K12, 500/K10, 2000/K16
Microduct 12x5/3.5 DI MPB30245/12	Black	12x5/3.5	290	1000	1000	3	23.1	240	1000/K14, 4000/K24, 500/K12, 2000/K20
Microduct 19x5/3.5 DI MPB30245/19	Black	19x5/3.5	320	1700	1000	3	27.5	332	3000/K24, 500/K12, 1000/K16, 2000/K22
Microduct 26x5/3.5 DI MPB30245/26	Black	26x5/3.5	360	4400	1000	3	35.8	475	2000/K24, 1000/K22