



Microduct 7/3.5 mm Eco

TWD 7/3.5 mm Primary Tube, Colored skin

Features

- For direct burial
- 7/3.5 mm microducts
- Low friction inner surface
- ≥51% Recycled or reused material
- Lower environmental impact compared to versions with virgin materials

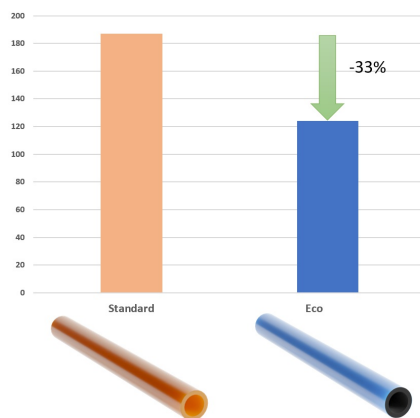
Application

The thick walled microduct are designed with an inner low friction surface that enables installation of air-blown fiber units or nano cables. The thick inner wall of the microducts allow for installation directly into the ground without the need for additional protection. Since these microducts are partially made with recycled or reground materials, they have a lower environmental impact compared to versions made entirely of virgin materials.

Design

7/3.5 microducts are optimized for installation of air-blown fibers and nano cables. The microducts have a solid low-friction inner surface for best blowing performance and contain at least 51% of recycled or regrind high quality material. The materials are chosen to secure best performance and lifespan. All microducts are black with a colored skin. The carbon footprint reduction, compared to versions made entirely with virgin material, has been verified according to life cycle calculations (cradle to gate, EF3.0). For more information, see <https://www.hexatronic.com/en-uk/microducts-for-the-future>

Product Information



Microducts: HDPE, ≥51% recycled or regrind

Technical Information

Product Color	12 different colors are available: red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange and pink.
Temperature, Operation [°C]	-40 to +60
Temperature, Storage [°C]	-40 to +60

Temperature, Installation [°C] -20 to +50

Conformance

- Abrasion:** IEC 60794-1-2-E2B(1)
- Kink:** IEC 60794-1-2-E10, 20 x outer diameter
- Impact:** IEC 60794-1-2-E4
- Crush:** IEC 60794-1-2-E3
- Tensile:** IEC 60794-1-2-E
- Bend:** IEC 60794-1-2-E11A
- Torsion:** IEC 60794-1-2-E
- Flexibility:** IEC 60794-1-2-E8
- Inner Clearance:** IEC 60794-5-20, IEC 60794-5-10, Ann. D

Marking

Microducts have markings showing the type and tube length. The individual microducts are identified by their colors. 12 different colors are available: orange, yellow, red, white, green, violet, blue, grey, turquoise, black, brown, pink.

Articles 12

Article name	Color	Layout	Bend Radius [mm]	Tensile Force [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]	Length [m]
Microduct 7/3.5 Eco Orange MPB30350/OG1-2	Orange	7/3.5	70	250	4000	4	7 29	500	
Microduct 7/3.5 Eco Yellow MPB30350/YE1-2	Yellow	7/3.5	70	250	4000	4	7 29	500	
Microduct 7/3.5 Eco Red MPB30350/RD1-2	Red	7/3.5	70	250	4000	4	7 29	500	
Microduct 7/3.5 Eco White MPB30350/WH1-2	White	7/3.5	70	250	4000	4	7 29	500	
Microduct 7/3.5 Eco Green MPB30350/GN1-2	Green	7/3.5	70	250	4000	4	7 29	500	
Microduct 7/3.5 Eco Violet MPB30350/VT1-2	Violet	7/3.5	70	250	4000	4	7 29	500	
Microduct 7/3.5 Eco Blue MPB30350/BU1-2	Blue	7/3.5	70	250	4000	4	7 29	500	
Microduct 7/3.5 Eco Grey MPB30350/GY1-2	Gray/Slate	7/3.5	70	250	4000	4	7 29	500	
Microduct 7/3.5 Eco Turquoise MPB30350/TQ1-2	Turquoise/ Aqua	7/3.5	70	250	4000	4	7 29	500	
Microduct 7/3.5 Eco Black MPB30350/BK1-2	Black	7/3.5	70	250	4000	4	7 29	500	
Microduct 7/3.5 Eco Brown MPB30350/BN1-2	Brown	7/3.5	70	250	4000	4	7 29	500	

Article name	Color	Layout	Bend Radius [mm]		Tensile Force [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]	Length [m]
Microduct 7/3.5 Eco Pink MPB30350/PK1-2	Pink/Rose	7/3.5	70	250	4000	4	7	29	500	