

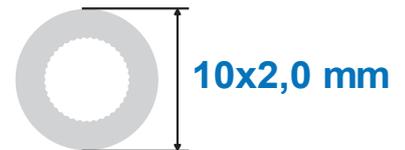


## Short Description

Single LSZH microduct designed for indoor fiber optic installations. The duct features a smooth inner surface for optimal cable blowing performance and an LSZH (Low Smoke Zero Halogen) outer sheath to ensure high fire safety and minimal toxic emissions. Ideal for use in buildings and confined spaces as part of FTTH and structured cabling networks.

## Properties

- **Type:** Microduct Mono (single duct)
- **Outer Diameter:** 10 mm
- **Inner Diameter:** 2.0 mm
- **Material:** LSZH (Low Smoke Zero Halogen)
- **Color:** Natural or white (depending on batch)
- **Structure:** Smooth inner surface for low friction cable blowing
- **Fire Classification:** LSZH – halogen-free, low smoke emission, flame retardant
- **Application:** Indoor installations, riser shafts, cabinets, or within buildings
- **Standards:** Compliant with IEC 60754, IEC 61034, and EN 50267 LSZH standards
- **Compatibility:** Suitable for micro-blown fibers and mini fiber cables



## Mechanical Specifications

- **Operating Temperature:** -20°C to +60°C
- **Installation Temperature:** 0°C to +50°C
- **Storage Temperature:** -20°C to +70°C
- **Minimum Bending Radius:**  $\geq 10 \times$  outer diameter
- **Crush Resistance:** Medium – designed for indoor use
- **UV Resistance:** Limited (indoor only)
- **Halogen Content:** Zero
- **Smoke Emission:** Very low
- **Toxicity:** Minimal



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# Spécifications

| Dimensions                 |  |  |
|----------------------------|--|--|
| Outer diameter             | min. 10,0 mm   | max. 10,1 mm                             |
| Wall thickness             | min. 2,0 mm  | max. 2,1 mm                              |
| Product features           |  |  |
| Material                   | Modified PE-HD   |  |
| Colour                     | White opaque   |  |
| Marking                    | Each meter marked with Ink Jet.  |  |
| Standard length            | According to offer.  |  |
| Application                | Microduct Mono LSZH (low smoke, zero halogen) for indoor applications.   |  |
| Mechanical characteristics |  |  |
| Bend radius (20°C)         | Free bend radius: $\geq 200$ mm  | Guided bend radius (20°C): $\geq 100$ mm |
| Max. tractive force (20°C) | $\geq 500$ N   |  |
| Fire performance           | Certified flame resistance according to DIN EN 61386-1, halogen-free according to VDE 0604-2-100 and low smoke behaviour following DIN EN 61034-2. |  |
| Temperatures               |  |  |
| Transport/deposit          | -10°C bis 50°C   |  |
| Installation               | -10°C bis 50°C   |  |
| Blowing                    | -5°C bis 35°C  |  |
| Operation                  | -40°C bis 70°C   |  |
| Weight*                    | 0,048 kg/m   |  |
|                            | * calculated value H = Height, W = Width, C = Core diameter [mm]   |  |
| Recommendations            |  |  |
| Endstop                    | The ends of the ege-com® Microduct Mono pipes must be protected from contamination with end caps.  |  |
| Connectors                 | Microduct Mono pipes can be joined using appropriate connectors.   |  |