

|              |                                               |
|--------------|-----------------------------------------------|
| Product name | Microduct 12/10mm HDPE black Smooth, 2000m/dr |
| Product code | 5042342                                       |
| GTIN         | 7332811123764                                 |
| ETIM-Class   | EC001474                                      |



PRODUCT SPECIFICATIONS

12/10mm microducts are designed for long term protection of fiber optical cables and are especially suitable for installation of micro cables. Thin walled microducts are suitable for sub-duct installations. The ducts can either be blown or pulled into existing pipes to maximize the utilization of already existing infrastructure. The microduct are made of high-density virgin polyethylene (HDPE). Every microduct has a permanent, co-extruded silicone compound inner liner giving a coefficient of friction of less than 0,1.

Measurements

|        |          |
|--------|----------|
| Length | 1,000 mm |
| Height | 12 mm    |
| Width  | 12 mm    |
| Weight | 34 g     |

Technical Specifications - Single Ducts

|                          |            |
|--------------------------|------------|
| Duct Type                | 12/10      |
| Duct Colour              | Black      |
| Outer Diameter           | 12 mm      |
| Outer Diameter Tolerance | +/- 0.1 mm |
| Inner Diameter           | 10 mm      |
| Inner Diameter Tolerance | +/- 0.1 mm |
| Min Bending Radius       | 150 mm     |

|                              |       |
|------------------------------|-------|
| Max Install Tensile Force    | 450 N |
| Inner clearance test (of ID) | 85 %  |

## Mechanical Characteristics

|                                                 |                                                                      |
|-------------------------------------------------|----------------------------------------------------------------------|
| Temperature ranges for installation             | -10°C - +50°C                                                        |
| Temperature ranges for Operation                | -40°C - +55°C                                                        |
| Temperature ranges for transport and storage    | -40°C - +55°C                                                        |
| Pressure Withstand (IEC 60794-1-22, Method F13) | resistance to internal pressure (23°C, 2 hours) 20 bar (en 1167-1,2) |
| Pressure Withstand (IEC 60794-1-22, Method F13) | resistance to internal pressure (60°C, ½ hour) 12 bar (en 1167-1,2)  |
| Crush (IEC 60794-1-21, Method E3A)              | en 60794-1-21, method e3a, load 700 n, recovery time 1 hour          |
| Impact (IEC 60794-1-21, Method E4)              | en 60794-1-21, method e4, impact 1 j, recovery time 1 hour           |
| Outdoor exposure/UV-stability (Months)          | 12                                                                   |