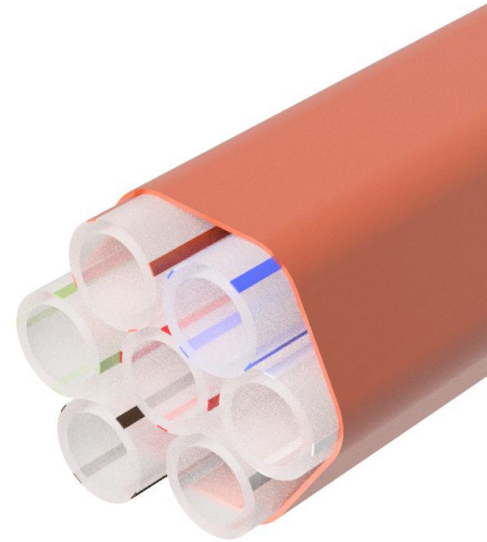




Microduct Assembly

Direct Bury 16/12mm



Description

Direct Bury metal-free assembly consisting of a specified number of 16/12mm MiniGlide® low friction tubes surrounded with a thin polyethylene sheath.

This assembly is suitable for direct burial applications.

Primary Tube

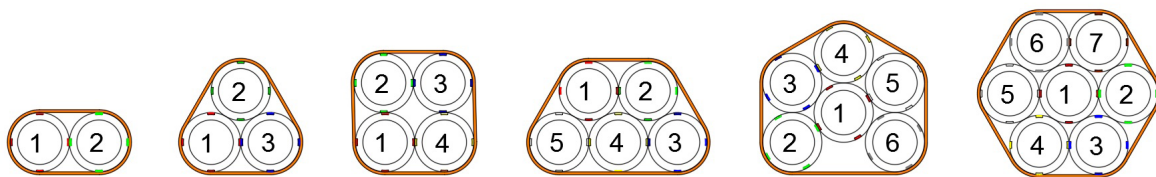
- Made from polyethylene material with low friction inner lining to optimise blowing distances
- Smooth inner wall as standard - ribbed inner wall optional
- Solid or translucent tubes allowing fibre visibility
- Colour and/or Number coded for ease of identification

| O.D./I.D Nominal (mm) | O.D (mm) | Wall Min-Max (mm) | Bend Radius (mm) | Max Tensile (N) | Max Pressure (bar) | Reference |
|-----------------------|-------------|-------------------|------------------|-----------------|--------------------|---------------------|
| 16/12 | 15.9 - 16.1 | 1.8 - 2.05 | 240 | 1150 | 16 | TS_MDT_16-12mm_HDPE |

Assembly

- Configuration: 2,3,4,5,6,7 way
- Outer sheath: polyethylene
- Outer sheath colour: orange or other
- Ripcord: for removal of outer sheath

| Configuration | O.D. Nominal (mm) | Weight (g/m) | Bend Radius (mm) | Max Tensile (N) |
|---------------|-------------------|--------------|------------------|-----------------|
| 2 | 33.6 x 17.6 | 245 | 265 | 2400 |
| 3 | 35.0 x 33.9 | 320 | 475 | 3500 |
| 4 | 40.1 x 33.5 | 410 | 505 | 4500 |
| 5 | 49.5 x 31.4 | 515 | 505 | 5000 |
| 6 | 45.2 x 41.5 | 640 | 625 | 6000 |
| 7 | 49.5 x 45.2 | 675 | 680 | 7000 |



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| Test | Test Standard | Requirement |
|-------------------------------------|----------------------|--|
| Tensile Performance | IEC 60794-1-2-E1 | Specified tensile load, 10 min, v=50mm/min |
| Abrasion | IEC 60794-1-2-E2B | 4N, 100 cycles |
| Crush | IEC 60794-1-2-E3 | 2000 N, 60 s, 1h recovery time There shall be no splitting nor permanent damage. Any permanent residual deformation shall not exceed 15%. |
| Impact | IEC 60794-1-2-E4 | 15J (rec 1h.) |
| Bend Performance & Repeated bending | IEC 60794-1-2-E6-E11 | D= 40 x OD 25 cycles D= 40 x OD 3 turn Bend radius ≤20xOD |
| Kink | IEC 60794-1-2-E10 | D= 20 x OD |
| Ripcord Removal | Radius Inhouse | 500mm sample lengths shall be cut and conditioned at -10°C for 2 hours. After conditioning, the ripcord will split the inner sheath without snapping |

Marking

The following print is applied at 1-meter intervals:

- Supplier: RADIUS
- Product Description (e.g 4 way 16/12mm)
- Batch Number
- Meter Count
- Line Number

Customer specific print is optional

Packing

Microduct will be shipped on either disposable wooden drums, treated wooden drums or metal drums. Duct assembly end will be capped off.

Delivery Lengths

Available in various drum lengths typically 500m, 1000m and 2000m depending on product configuration. Drum lengths to be agreed at the time of order.