

Microduct Assembly



Direct Bury 20/15mm



Description

Direct Bury metal-free assembly consisting of a specified number of 20/15mm MiniGlide® low friction tubes surrounded with a thin polyethylene sheath.

This assembly is suitable for direct burial applications.

Primary Tube

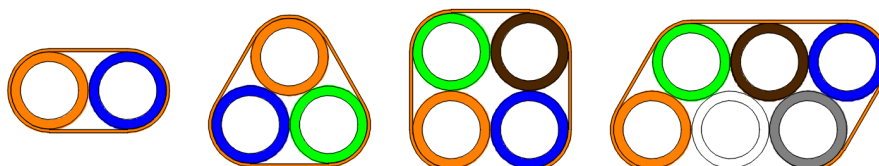
- Made from polyethylene material with low friction inner lining to optimise blowing distances
- Smooth inner wall as standard - ribbed inner wall optional
- Solid or translucent tubes allowing fibre visibility
- Stripe option available
- Colour and/or Number coded for ease of identification

O.D./I.D Nominal (mm)	O.D (mm)	Wall Min-Max (mm)	Bend Radius (mm)	Max Tensile (N)	Max Pressure (bar)	Reference
20/15	20.0-20.3	2.3-2.7	300	1400	16	TS_DT_20-15mm_HDPE

Assembly

- Configuration: 2,3,4 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	41.5 x 21.5	333	425	3540
3	41.5 x 38.8	476	585	5060
4	41.8 x 50.2	640	625	6590
6	71.5 x 38.8	905	585	9640



Microduct Assembly

Direct Bury 20/15mm



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 20/15mm)
- Batch Number
- Line Number
- Meter Count

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.