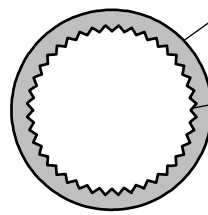


fibreflow™ Blown Fibre 16mm mini-duct (PE), ribbed



HDPE TUBE,
OUTER DIAMETER 16mm
INNER DIAMETER 12mm,
LOW FRICTION

PRODUCT DESCRIPTION

Polyethylene tube/duct used as a fibre pathway, having enhanced performance when used for blowing of fibre or fibre cable. Each tube/duct has performance as described below. These tubes may be assembled in various combinations and sheathed to give bundles for installation into the network. This product is also used for 'individual' deployment installations.

NOTE: Diameters and thicknesses are measured to the nearest 0.1mm

NOTE: 'Nominal' data is based on mid-spec, and is for information only, not for inspection purposes.

PRIMARY TUBE, POLYETHYLENE, approx 81g/m

1. Extruded from 100% virgin material (no re-used PE content)
2. Outer diameter $16.0 \pm 0.2\text{mm}$ 9a correct push fit into designated 16mm connectors)
3. Inner diameter $12.0 \pm 0.3\text{mm}$ (measured by plug gauge)
4. Inner surface has ribbed grooves to reduce surface contact area.
5. Minimum wall thickness at any point: 1.6mm
6. Max pull tension: 50kg (500N)
7. Min bend radius: 190mm. See separate recommendations for MBR of fibre products.
8. Identification: When used in an assembly, each tube shall be individually numbered at 10cm nominal spacing. The tube material may be tinted with a small amount of colour to aid identification, whilst permitting some visibility through the wall.

TESTS

1. Flexibility

Use test method IEC 60794-1-2-E11. Wrap 10 turns onto a mandrel of 160mm diameter, leave in place 5 minutes, then remove. Tube OD shall not be reduced by more than 15%. There shall be no splitting or permanent damage to the tube.

2. Pressure

Tube shall withstand at 21°C, under water, 17 bar air pressure for 2 hours without leaks.

3. Crush

Use test method IEC 60794-1-2-E3. Load with 450N (45kg) for 60 seconds, then remove load. After 1 hour, the tube OD shall not be reduced by more than 15%. There shall be no splitting or permanent damage to the tube.