Issue D 8th April 2013

fibreflow Blown Fibre 12/10 microduct



PRODUCT DESCRIPTION

Polyethylene microduct (m/d) designed as a fibre or cable pathway. The m/d has a low friction inner surface. The m/d can itself be blown into a waiting duct either alone or as a collection of similar m/ds. Or several can be bundled together in an assembly. Each m/d shall have performance as described below. Please note the dimensions of this microduct are optimised for blow distance. Its SDR is 12, and so it is not defined as a heavy-duty microduct. If higher crush and tensile strength are needed, please consider our 12/9.4 (SDR 9.2) microduct (MHT 1375)

MICRODUCT, as extruded (prior to winding onto drum)

- 1. Material is HDPE, with low friction inner surface.
- 2. Microduct mass is 33g/m nominal
- 3. Extruded from 100% virgin material (no re-used PE content)
- 4. Outer diameter 12.0mm ± 0.1, (measured during manufacture at exit of haul-off)
- 5. Inner diameter 10.0mm nom (measured by plug gauge)
- 6. SDR = 12 (outer diameter divided by wall thickness)
- 7. Minimum wall thickness at any point: 1.0mm
- 8. These m/ds are manufactured to a specification compatible with Emtelle recommended industry standard 12mm push-fit connectors for fibre optic networks.
- 9. Minimum bend radius 150mm.
- 10. Maximum Installation Tension: 240N (24kg). Take care Do not pull around sharp corners.
- 11. Maximum rated pressure at 20°C: 15bar
- 12. Identification: The m/d material may be tinted with a small amount of colour to aid identification.

NOTES:

- 1. Diameters and thicknesses are measured to the nearest 0.1mm
- 2. 'Nominal' data is based on mid-spec, and is for information only, not for inspection purposes.
- 3. The sketch is for information only, not for inspection purposes.

INNOVATION

4. (This product was previously introduced in CP625)

PRODUCT TESTS:

- 1. Kink: Use test method IEC 60794-1-2-E10.
- 2. Tensile: Use test method IEC 60794-1-2-E1.
- 3. Crush: Use test method IEC 60794-1-2-E3.

This document is intended as a guide only. Whilst the information it contains is believed to be correct, Emtelle can take no responsibility for actions taken based on the information contained in this document. Emtelle reserves the right to make changes to this document without notice. All sales of product are subject to Emtelle's terms and conditions of sale only, which can be found on Emtelle's website.

This document is protected by copyright (c) Emtelle UK Limited [2012]. The products depicted are protected by intellectual property rights. Any unauthorized copying of this document or of our products is prohibited and Emtelle UK Limited will take action to prevent any infringement of its rights and to claim damages for the loss that it suffers.

AND FL

FLEXIBILITY