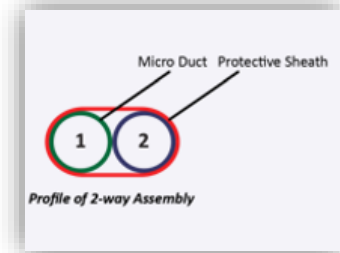


Technical Data

IFA Bundled Ducts

Direct Burial



Characteristics

| | |
|--------------|---------------------|
| Construction | HDPE |
| Material | HDPE (Polyethylene) |

| Properties | IFA PRODUCT CODE: BD 6 |
|----------------------------|--|
| | 2 Way |
| | 8/6 |
| Outer Diameter duct | 8mm |
| Inner Diameter duct | 6mm |
| Wall Thickness outer sheet | 1mm |
| Ovality | < 5% |
| Pressure Rating | 12 bar for 5 minutes – Inner ducts |
| Coefficient of Friction | (≤ than 0.16) |
| Ball Testing | 80% of inside diameter, ball passes freely |
| Chemical Resistance | Petrol, Diesel, Acetone, Ingepol |
| Colour | RAL Codes |
| Kink Test | Passes 80% ball |
| Bending Radii | 20 x outside diameter |

Handling & Storage

| | |
|--------------------------|------------------------|
| Storage Temperature | -20% °C to +60 °C |
| Installation Temperature | +15 °C to +40 °C |
| UV Resistance Period | 1-year outdoor storage |
| Installation | As per SABS 1200LB |

| Material Properties | Values | Test Method |
|---------------------------------------|--------------------------------|-------------|
| Melt Index (190°C/2.16kg) | 0.40g/10 minutes | ASTM D1238 |
| Density | 0.941 – 0.957g/cm ³ | ASTM D1505 |
| Vicat Softening Point @ 10 N, 50°C/hr | 125 °C | ASTM D1525 |
| Melting Point | 133 °C | ASTM D2117 |
| Tensile Strength at Yield Point | 320kg/ m ³ | ASTM D638 |
| Tensile Strength at Break Point | 400kg/ m ³ | ASTM D638 |
| Elongation at Break | 1000% | ASTM D638 |
| Stiffness | 10,000kg/ m ² | ASTM D747 |
| Flexural Modulus | 14,000kg/ m ² | ASTM D790 |
| Notched Izod Impact Strength | 15kg.cm/cm – Partial Break | ASTM D256 |
| Durometer Hardness | 65 Shore D | ASTM D2240 |
| ESCR (Condition B, 25% Igepal) | 400hrs, F50 | ASTM D1693 |