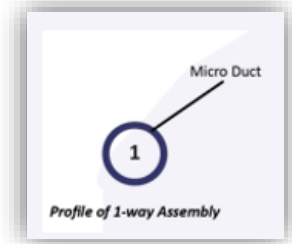


## Technical Data

### IFA Sub Duct Direct Burial



| Characteristics |  |
|-----------------|--|
| Construction    | Outer layer: HDPE, Inner layer: Silicone |
| Material        | HDPE (Polyethylene)                      |

| Properties              | IFA PRODUCT CODE: SD1                      |
|-------------------------|--|
|                         | 1 Way                                      |
|                         | 32/27                                      |
| Outer Diameter duct     | 32mm                                       |
| Inner Diameter duct     | 27mm                                       |
| Wall Thickness          | 2.5mm                                      |
| Ovality                 | < 5%                                       |
| Pressure Rating         | 12 bar for 5 minutes – Inner ducts         |
| Coefficient of Friction | (≤ than 1)                                 |
| 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 <sup>3</sup> | 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 <sup>3</sup>          | ASTM D638   |
| Tensile Strength at Break Point       | 400kg/ m <sup>3</sup>          | ASTM D638   |
| Elongation at Break                   | 1000%                          | ASTM D638   |
| Stiffness                             | 10,000kg/ m <sup>2</sup>       | ASTM D747   |
| Flexural Modulus                      | 14,000kg/ m <sup>2</sup>       | 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  |