

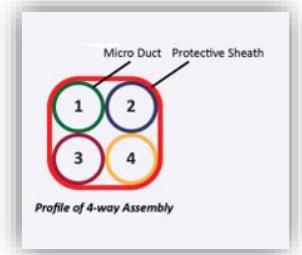
Technical Data

IFA Bundled Ducts

Direct Burial

Characteristics

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



Properties	IFA PRODUCT CODE: BD 4	
	4 Way	
	14/10	
Outer Diameter duct	14mm	
Inner Diameter duct	10mm	
Wall Thickness outer sheet	+ - 1mm	
Ovality	< 5%	
Pressure Rating	12 bar for 5 minutes – Inner ducts	
Coefficient of Friction	(≤ than 0.10)	
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