

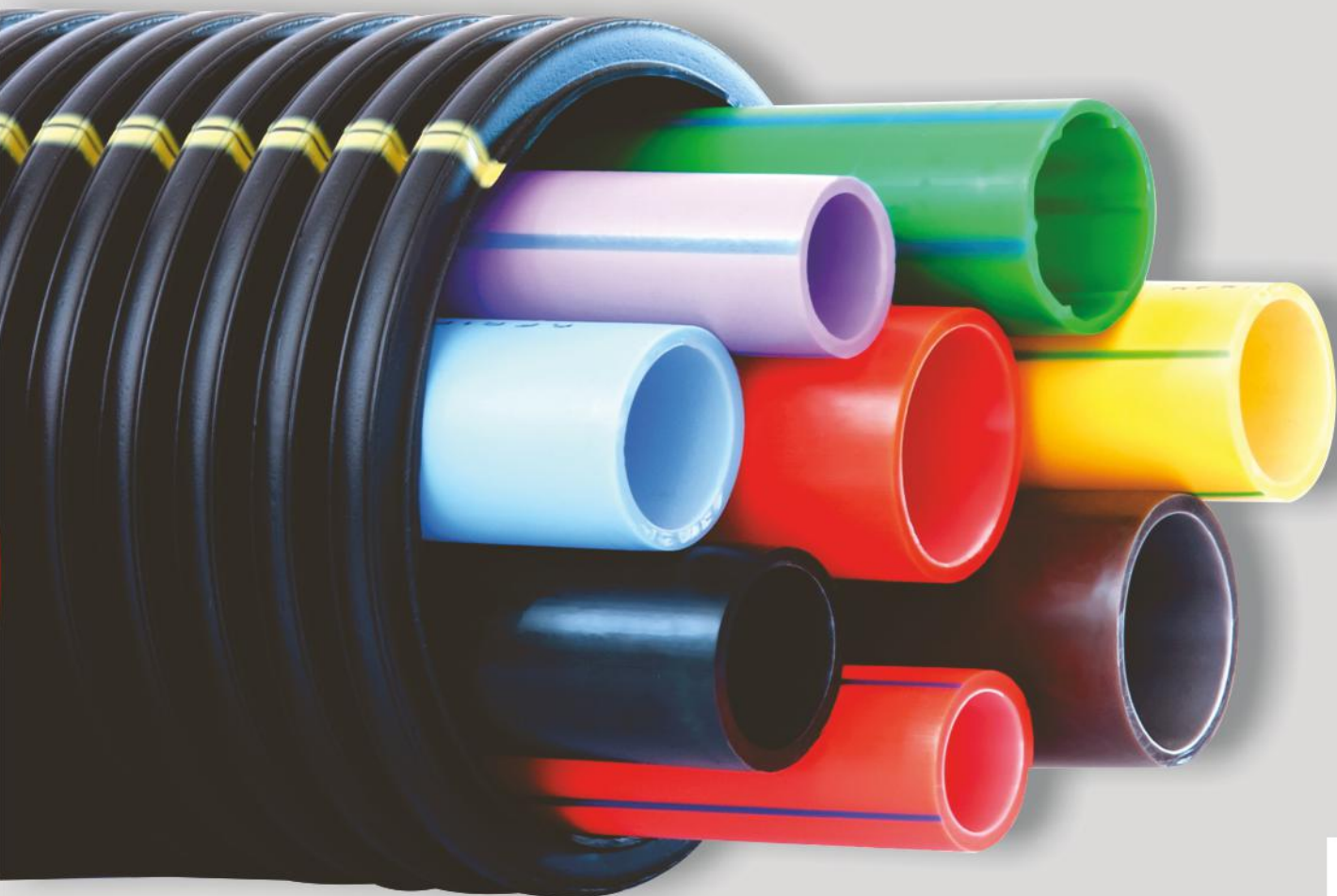


Afripipes

South Africa • Kenya • Middle East

AfriSil

Fibre Optic Ducting (Innerduct / Sub-duct)





AfriSil

Fibre Optic Ducting (Innerduct / Sub-duct)

Characteristic	
Colour	As per requirement with or without 4 identification stripes
Construction	Outer layer - HDPE. Inner layer - silicone based compoud
Material	Virgin HDPE (High density polyethylene)

Properties	32/27	40/34
Outer Diameter	32mm	40mm
Inner Diameter	27mm	34mm
Recommended Cable Diameter	13mm	16mm
Length	500m & 1000m	500m
Coils Drums	2500m	2000m
Ovality	<5%	
Impact resistance	No breaks, no fragmentation, no cracks as defined in method	
Kink test	Passes	
Bending radius	>15 times outside diameter	
Coil set	Passes	
Chemical Resistance (ISO/TR10358)	Passes	
Marking every 1000mm	Afrripipes, Afrisil, size, batch number, time, length	
Coefficient of friction	<0.10	
Pressure rating	> 6 Bar	

Handling and Storage	
Storage Temperature	-20°C to +60°C
Installation Temperature (recommended)	+15°C to +40°C
Ultra-violet resistance period	> 1 year
Installation	As per SABS 1200 LB

Material Properties	Typical Values*	Test Method
Melt Index (190°C/2.16kg)	0.33g/10 minutes	ISO 1133
Density	0.950g/cm ³	ISO 1183
Tensile strength at yield point	26Mpa	ISO 527
Elongation at break	>500%	ISO 527
Flexural stress (3.5% deflection)	22Mpa	ISO 178
Charpy Notched impact strength (23°C)	23kJ/m ²	ISO 179
Charpy Notched impact strength (-30°C)	20kJ/m ²	ISO 179
Shore Hardness D	62	ISO 868
Vicat softening point (load 5kg)	80°C	ISO 306

*Typical values for guideline only