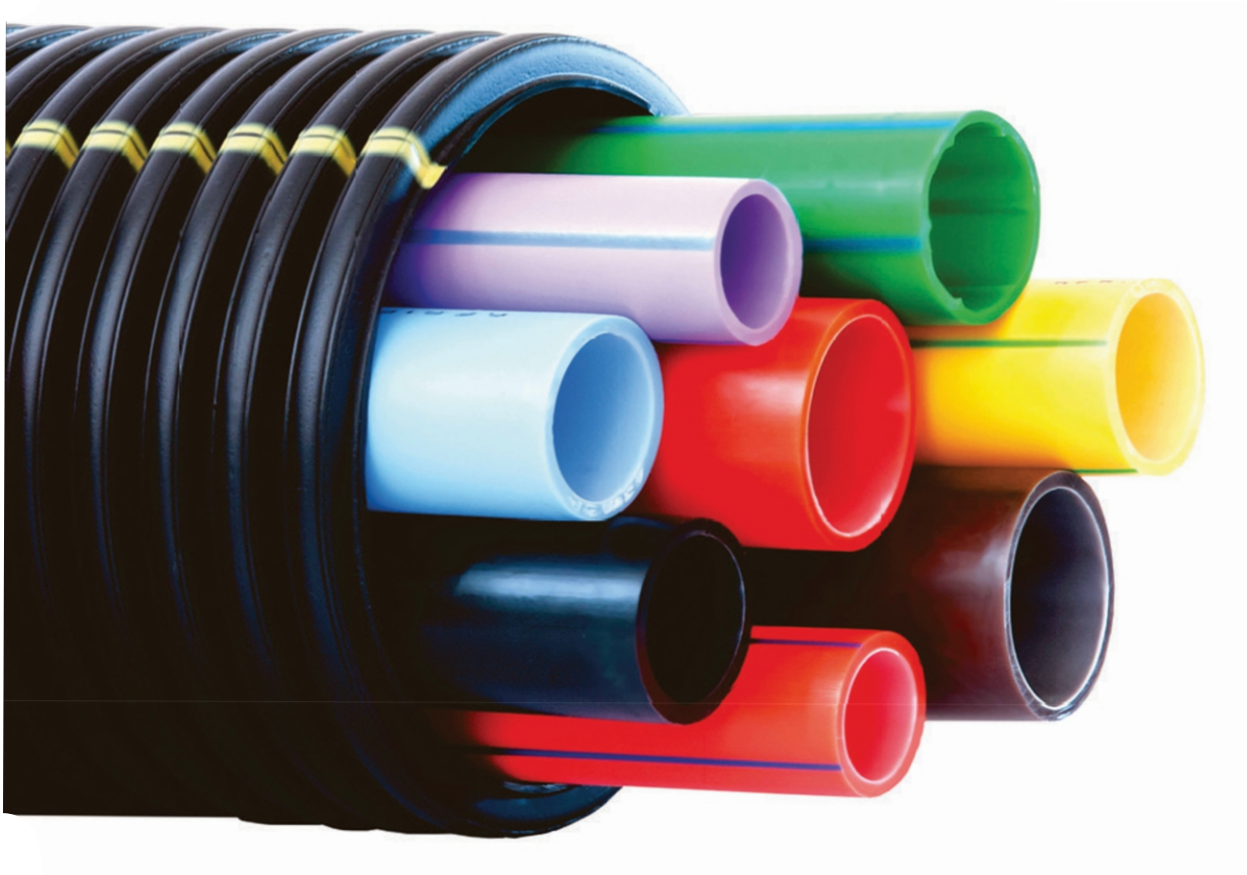


Afripipes

Afri Piping Systems (Pty) Ltd
SPECIFICATIONS DOCUMENT

AfriSil

Fibre Optic Ducting (Innerduct/Sub-duct)



Afrisil is Afripipes' Sub-Duct or Inner Duct Solutions.

Designed to allow for quick and easy installation of Ducted Cables, HDD or CST cables. The thick outer wall protects the cables from external forces, environmental elements and can be manufactured with a rodent repellent. The Afrisil solution can be shipped on drums or coiled and stacked

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Technical Data

Characteristic:

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

Pipe Properties:

		32/27	40/34
• Outer Diameter		32mm	40mm
• Inner Diameter		27mm	34mm
• Recommended Cable Diameter		13mm	16mm
• Length	Coils	500m & 1000m	500m
	Drums	2500m	2000m
• Ovality		<5%	<5%
• Impact Resistance		No Breaks, No Fragmentation, No Cracks as defined in method	
• Kink Test		Passes	Passes
• Bending Radius		20 Dimeter	20 Dimeter
• Coil Set		Passes	Passes
• Chemical Resistance (ISO/TR10358)		Passes	Passes
• Marking every 1000mm		Afripipes, AfriSil, Size, Batch Number, Time, Length	
• Coefficient of Friction		<0.10	<0.10
• Pressure Rating		>6 Bar	>6 Bar

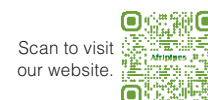
Handling and Storage:

• 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)	<0.3/10 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



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