

# Afripipes

Afri Piping Systems (Pty) Ltd  
SPECIFICATIONS DOCUMENT

## AfriDuct™

Underground ducting systems for cable management



AfriPipes' signature AfriDuct range offers a comprehensive solution for end to end cable management.

AfriDuct is Afripipes Double-Walled corrugated pipe system that is used extensively in the Telecoms, Plumbing and electrical industries.

It is designed to allow cables or pipes to be installed into the network through hauling and to "Future Proof" the networks and to protect the cables external forces, environmental elements and can be manufactured with a rodent repellent.

The AfriDuct solution can be shipped in lengths or coiled and stacked.

### Technical Data

#### Characteristic:

- Colour Standard black with white apex line (or as per customer specifications).
- Construction Double/Single wall corrugated pipe.
- Classification Straight double wall 6m Rigid pipe.  
Double/Single wall corrugated pipe.
- Material HDPE (High Density Polyethylene).

#### Pipe Properties:

	DN75	DN110	DN160
• Outer Diameter	75mm ± 1mm	111mm ± 1mm	161mm ± 1mm
• Inner Diameter	61mm ± 1mm	92mm - 95mm	139mm ± 1mm
• Pipe Bending Radius	1.5m	2.5m	3.5m
• Pipe Length	6.00m - 6.06m	6.00m - 6.06m	6.00m - 6.06m
• Compression (Type Normal Duty)	>450N	>450N	>450N
• Chemical Resistance (ISO/TR10358)	Passes	Passes	Passes
• Marking	Afripipes, DN (Pipe Size), PE, N 450, Batch number		
• Resistance to Impact (SANS 61386-24)	Normal duty	Normal duty	Normal duty

#### Coils AfriDuct is available in both double and single wall coils

#### Coil Properties:

	DN50	DN75	DN110	DN160
• Outer Diameter	51mm ± 1mm	75mm ± 1mm	111mm ± 1mm	161mm ± 1mm
• Inner Diameter	41mm ± 1mm	61mm ± 1mm	92mm - 95mm	139mm ± 1mm
• Min Bending Radius	150mm	250mm	350mm	450mm
• Length	50m	50m	50m	25m

#### Bends

#### Bend Properties:

	DN50	DN75	DN110
• Length	1.5m	1.75m	1.75m
• Bending Radius 0-90°	≥250mm	≥350mm	≥450mm

#### Accessories

#### Products:

	DN50	DN75	DN110	DN160
• Sealing Ring	✓	✓	✓	✓
• Coupling	✓	✓	✓	✓
• End Plug			✓	
• Bore Brush			✓	✓

#### Specification & Standards Compliance:

- Double wall 6m Straight Lengths **SANS 61386-24** Conduit systems buried underground (Permit Number 8654/13662)
- **EN 50086-2-4** Conduit systems buried underground
- Coils **EN ISO 9969** Ring Stiffness