



ADRITEC
YOUR WAY

**8 ENGINEERING
8 PRODUCTS**



Engineering Products
Fiber Optic Ducting Pipes

8

8b1- Adriduct Ducting Pipes

8b2- Adrimicroduct Ducting Pipes

8b3- Adrimultiduct Ducting Pipes

8b4- Adrisil Ducting Pipes

Adriduct pipes are made of a double wall HDPE pipe for use in underground ducting and cable management. It is produced in two sizes in 6 meters standard length in black and yellow color or on request. It withstands temperatures ranging from -10° C to -40° C.



Characteristics	
Color	Black with yellow apex (or as required)
Construction	Double wall corrugated
Classification	Rigid pipe
Material	Virgin HDPE (High density polyethylene)

Pipe properties		
Code	8B1ADDUP0110	8B1ADDUP0160
Standard	DN110	DN160
Outer Diameter	110mm	160mm
Inner Diameter	95mm	138mm
Pipe bending radius	2.5m	3.5m
Pipe length	6.00-6.06m	6.00-6.06m
Compression (Type 450)	> 450N	> 450N
Chemical resistance	(ISO/TR 10358) Passes	(ISO/TR 10358) Passes
Resistance to impact	Normal duty	Normal duty

Handling and Storage	
Storage Temperature	-20°C to +60°C
Installation Temperature	-10°C - +40°C
Ultraviolet resistance period	> 1 year

Specifications and Standard Compliance	
SANS 61386_24	Conduit systems buried underground
EN 50086-2-4	Conduit systems buried underground

Adrimicroduct is produced in different sizes and thicknesses namely 12/10mm, 12/9mm, and 14/10mm, made from a high quality HDPE material; it has a high level of chemical resistance. It is produced in different colors such as red, green, blue, brown depending on requirement and applications. It is applied in Dark Fiber, buildings, homes, curbs and many other applications, for enclosing of fiber optics cables. It gives complete protection to the cables from any damage.



Pipe Properties			
Code	8B2ADM101210	8B2ADM121209	8B2ADM121410
Outer Diameter	12mm	12mm	14mm
Inner Diameter	10mm	9mm	10mm
Length Drums	2000m	2000m	1500m
Pressure rating	10 Bar	12Bar	12Bar

Characteristics	
Material/Color	HDPE(High density polyethylene)
	Standard Colours -Red, Green ,Blue, Brown, Violet,
	Yellow, White, Orange, Grey
Ovality	< 5%
Kink test	Passes
Bending radius	>20 times outer diameter
Chemical Resistance (ISO/TR10358)	Passes
Coefficient of friction (Bellcore Test)	< 0.10
Internal surface	Longitudinal ribs with silicone inner layer
Environmental stress	No visible cracks or fracturing as per industry test
Cracking	Method

Adrimultiduct is an HDPE Fibre optic ducting outer layer with an inner silicone layer. It comes in a 2-way, 4-way, and 7-way pipe, which can take as many as 2, or 4, or 7 microduct pipes. It is made of virgin HDPE material. Used mainly to carry fibre optic cables with full protection and minimal friction which can cause damage to the cables.



Pipe Properties			
Code	8B3ADM02XXXX	8B3ADM04XXXX	8B3ADM07XXXX
Designation	2- way	4-way	7-way
Number of Micro Ducts	2 x Micro Ducts	4 x Micro Ducts	7 x Micro Ducts
Length Drums	1000m	1500m	1000m

Characteristics	
Material/Color	HDPE(High density polyethylene)
	Color with or without identification strip
Impact resistance (6.5 J/-10 C)	No visible cracks or fracturing as per industry test method
Crush resistance (1000 N for 1 minute)	8.5mm steel ball passes freely through each micro duct
Flexibility	> 20 times outer diameter / 8.5mm steel ball passes freely through each micro duct
Chemical Resistance (ISO/TR 10358)	Passes
External surface	Free from holes, scratches
Environmental stress cracking	No visible cracks or fracturing as per industry test method

Handling and Storage	
Storage Temperature	-20°C to +60°C
Installation Temperature	+15°C to + 40°C

Specifications and Standard Compliance	
Ultraviolet resistance period	> 1 year
Installation	As per SABS 1200 LB

Adrisil is an HDPE Fibre optic ducting outer layer pipe with an inner silicone layer. It comes in a variety of colors in accordance to specific requirements. It is made of virgin HDPE material. Used mainly to carry fibre optic cables with full protection and minimal friction which can cause damage to the cables.



Pipe Properties				
	Inner Duct		Direct Burial	
Code	8B4ADSIL3227	8B4ADSIL4038	8B4ADSIL3226	8B4ADSIL3338
Outer Diameter	32mm	40mm	32mm	33mm
Inner Diameter	27mm	34mm	26mm	38mm
Recommended Cable Diameter	13mm	16mm	13mm	16mm
Length	500m & 1000m	500m	500m & 1000m	500m
Coils	2500m	2000m	2500m	2000m
Ovality	<5%		2mm x 18-25mm	
Pressure rating	> 6 Bar		> 10 Bar	

Characteristics	
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
Coefficient of friction (Bellcore Test)	< 0.10
Ultra-violet resistance period	> 1 year

Handling and Storage	
Storage Temperature	-20°C to +60°C
Installation Temperature (recommended)	-15°C - +40°C

Standard Compliance	
Installation	As per SABS 1200 LB

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

