

# **ATLANTA TELECOM**

## HDPE TELECOMMUNICATION PIPES & FITTINGS



SCAN & VISIT OUR WEBSITE



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## PRODUCT DESCRIPTION

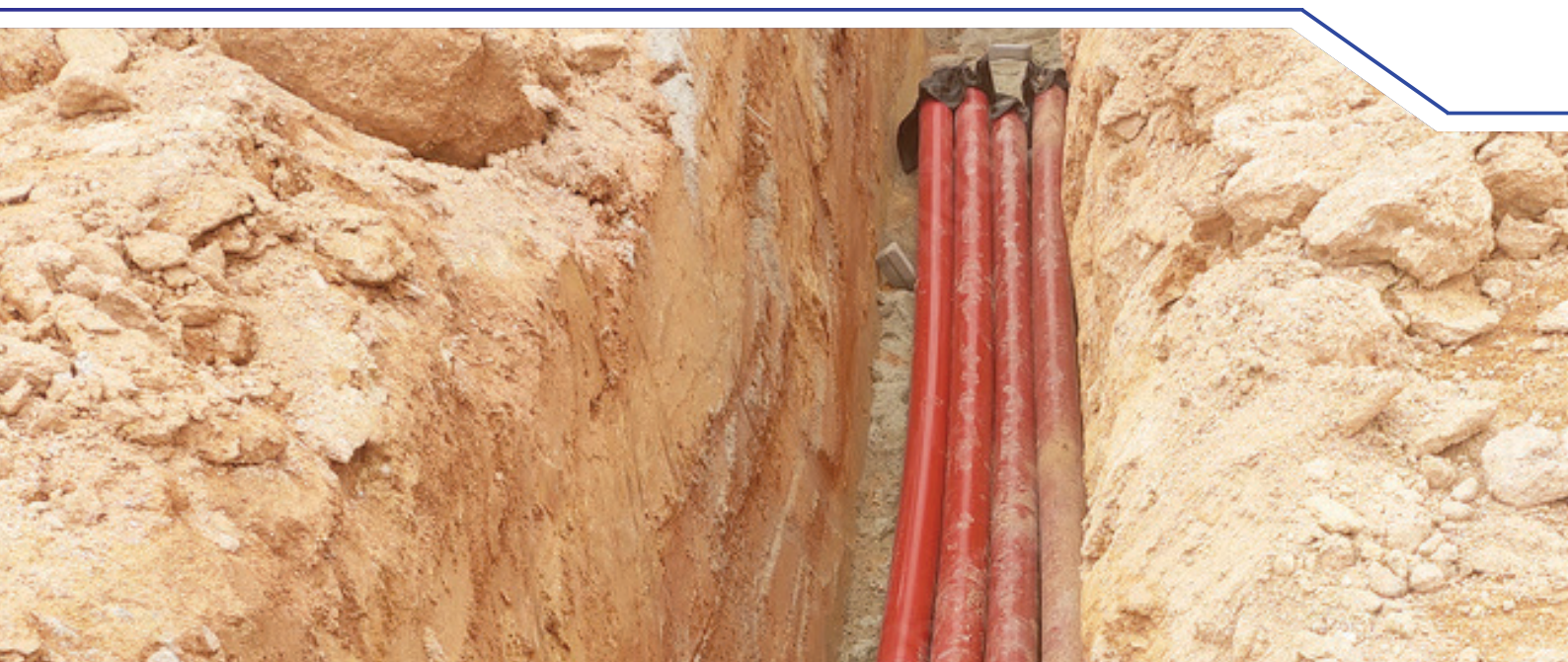
Aside from the usual pressurized and potable high-density polyethylene (HDPE) pipes manufactured by Atlanta Industries, Inc. for water application, the Company is also producing specialized HDPE communication duct pipe for telecom and fiber-optic applications. The product is intended for telecommunication application.

Atlanta HDPE Telecom comes in in four different sizes: 32, 40, 50 and 118 mm (OD). Standard lengths can reach up to 100, 250, and 300 meters, while smaller diameters can reach up to 32 mm and up to 250 and 300 meters. For the 40 and 50 mm variants the longer lengths can be 1km or 2km. Colors include black, yellow, green, and red.

The Atlanta HDPE telecom prides itself for having high stress crack resistance and a coefficient of PVC has a higher tensile strength and 30% less friction strength. Fungi and germs, as well as caustic chemicals and aggressive soils, cannot penetrate it. Low working temperatures and a maximum operating temperature of 90 degrees are provided, both of which correspond to power line operating temperatures.

## STANDARD AND SPECIFICATION

The Atlanta HDPE Telecom pipe is a non-pressure rated and manufactured in accordance with ASTM F2160. HDPE non pressure ducts are made of resin that meet ASTM D3350.



## BENEFITS



Not susceptible  
to corrosion



Low coefficient of friction  
allows easier long-distance  
cable pulls



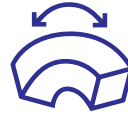
Moisture-proof  
and water-tight



Follows trench contours, can  
be installed around obstacles  
underground



Immune to attack  
from insects



Bends and flexes without  
breakage, even with ground  
heaves or shifts, over a wide  
range of temperatures



Resists brittleness  
due to aging or cold  
weather



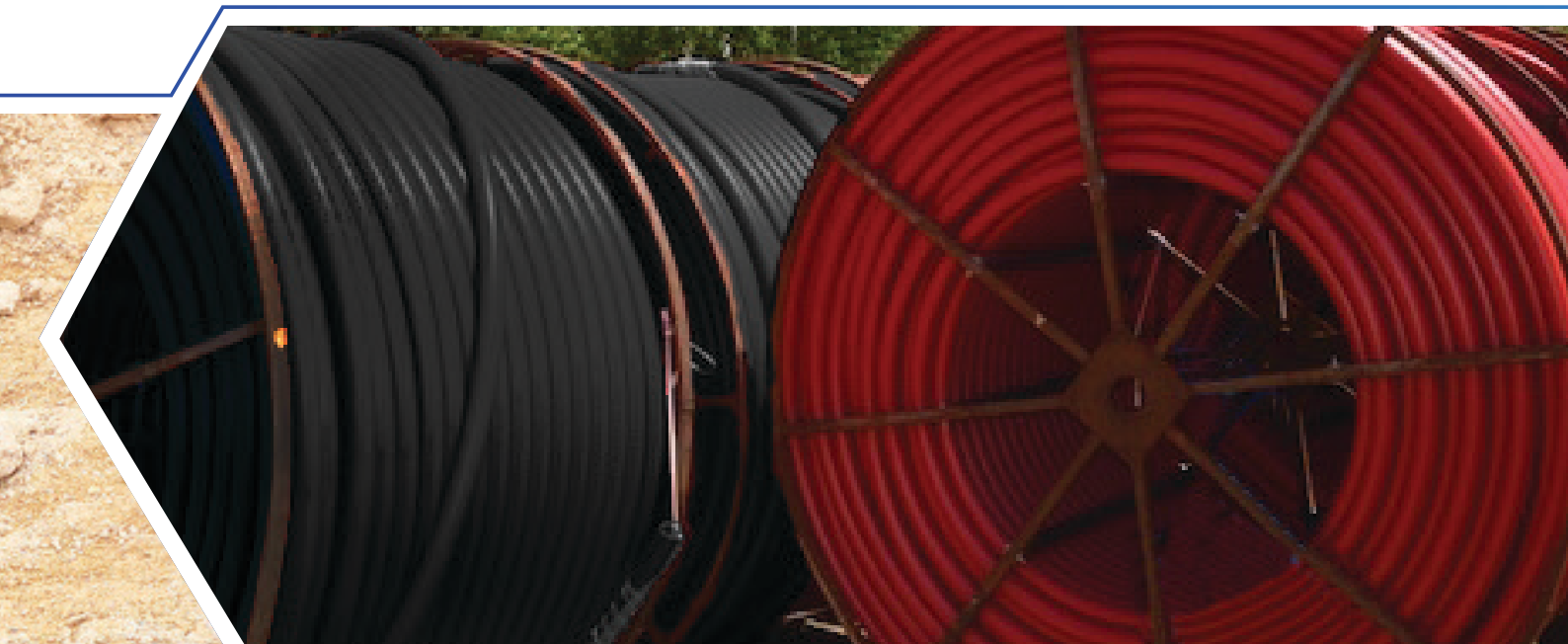
High ductility resists damage  
during transportation, handling,  
and installation and retains  
impact resistance



Eliminates maintenance  
common to aerial  
networks



Easy installation due to  
long lengths and high  
pull strength



# APPLICATIONS



Communications



ITS - Intelligent Transportation Systems



Renewable energy



SCADA - Supervisory Control and Data Acquisition

## ATLANTA HDPE TELECOM SPECIFICATION (PE-100)

NOMINAL SIZE	OUTSIDE DIAMETER	WALL THICKNESS		STANDARD LENGTH	AVAILABLE COLOR
		SDR11	SDR 13.6		
1"	32 mm	3.00 mm	2.40 mm	100, 250, 300 m	Black, Yellow, Green, Red
1-1/4"	40 mm	3.70 mm	3.00 mm	250, 300 m	
1-1/2"	50 mm	4.60 mm	3.70 mm	250, 300 m	
4"	118 mm	10.70 mm	8.70 mm	100, 150 m	