

## SharkBite PEXa UV Black Protection Pipe in Pipe ( in conduit )

The **PEXa** pipe is made of Cross-linked Polyethylene by Peroxide. During pipe productions, the intermolecular structure is changed. This proces provides a higher level of mechanical and thermal resistance. Due to their chemical composition, polyethylene are subject to degradation as a result of exposure to ultra-violet light. Carbon black is used as a UV light stabilizer

### MATERIAL SPECIFICATION

PEXa peroxide  
HDPE with Carbon Black UV protection

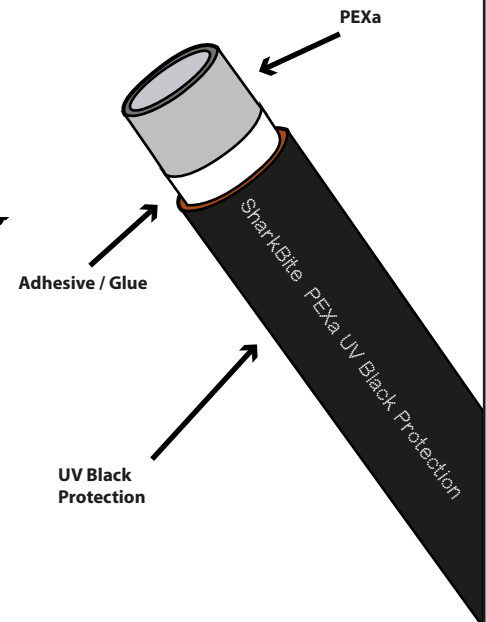
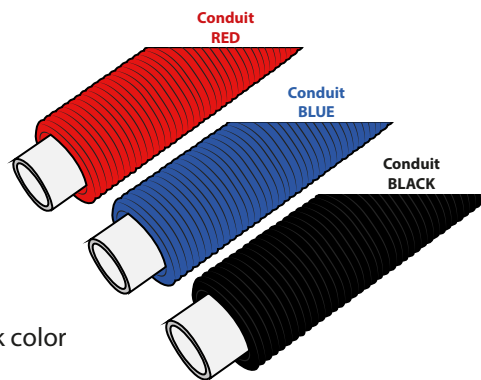
### BRAND

SharkBite PEXa UV Black Protection  
John Guest PEXa UV Black Protection

### COLOR

Inner layer, natural color - Outer layer, black color

Conduit: Black - Red or Blue colors



### ADVANTAGES

- Suitable for drinking water
- Flexibly and easy to lay
- Corrosion free
- Chemical-resistant
- Low weight
- Low condensation
- Deposit-free
- High throughput thanks to smooth inner layer
- Good impact resistance
- Opacity
- UV-ray protection resistant.
- Corrosion resistant / excellent thermal memory / light and flexible.
- Suitable for outdoor & indoor Plumbing and Heating installations.

### RANGE OF AVAILABLE PRODUCTS

ø 16 x 1,5	( 50 m/length )
ø 16 x 1.8	( 50 m/length )
ø 16 x 2.2	( 50 m/length )
ø 20 x 1.9	( 50 m/length )
ø 20 x 2.8	( 50 m/length )
ø 25 x 2.3	( 50 m/length )
ø 25 x 3.5	( 50 m/length )
ø 32 x 2.9	( 50 m/length )
ø 32 x 4.4	( 50 m/length )

### PIPE CHARACTERISTICS

Diameter	Wall Thickness	Weigh	Water content
Ø 16	1.50 mm	0.071 kg/m	0.128 l/m
Ø 16	1.80 mm	0.086 kg/m	0.117 l/m
Ø 16	2.20 mm	0.098 kg/m	0.106 l/m
Ø 20	1.90 mm	0.120 kg/m	0.201 l/m
Ø 20	2.80 mm	0.153 kg/m	0.163 l/m
Ø 25	2.30 mm	0.177 kg/m	0.315 l/m
Ø 25	3.50 mm	0.234 kg/m	0.254 l/m
Ø 32	2.90 mm	0.274 kg/m	0.531 l/m
Ø 32	4.40 mm	0.376 kg/m	0.423 l/m

### STANDARD

ISO 15875  
AS2492  
RD 140/2003

### PIPE CHARACTERISTICS

- Maximum Temperature 95° C
- Minimum Temperature -40° C
- Maximum Pressure 6 bar ( Class 1-2 & 6 )
- Maximum Pressure 8 bar ( Class 4 )
- Heat conductivity 0.400 W/mK
- Heat expansion coefficient 0.020 mm/mK
- Surface roughness 0.007 mm
- Bending Radius 5 dn at 23° C

### AREAS of APPLICATIONS

- Plumbing system
- Drinking Water
- Radiator Connection
- Sanitary engineering
- Industrial pipeline construction
- Geothermal installations