

The [Festo PUN-6X1-BL](#) (Part Number: 159664) is a highly flexible, standard 6mm outer diameter blue polyurethane (PU) pneumatic tube designed for compressed air, vacuum, and energy chain applications. [[1](#), [2](#), [3](#), [4](#), [5](#)]

## Key Technical Specifications

- **Dimensions:** 6 mm Outside Diameter (OD) x 4 mm Inside Diameter (ID).
- **Material:** High-grade Thermoplastic Polyurethane (TPE-U / PU).
- **Colour:** Solid Blue (BL).
- **Operating Pressure:** -0.95 bar to 10 bar (-13.775 psi to 145 psi), temperature-dependent.
- **Temperature Range:** -35°C to +60°C.
- **Bending Radius:** Minimum 16 mm.
- **Weight:** 0.0192 kg per meter. [[1](#), [2](#), [3](#), [4](#), [5](#)]

## Standard Applications

- High-cycle pneumatic systems.
- Moving automated machinery energy chains.
- Factory automation control lines.
- Vacuum generator distribution blocks. [[1](#), [2](#), [3](#), [4](#)]