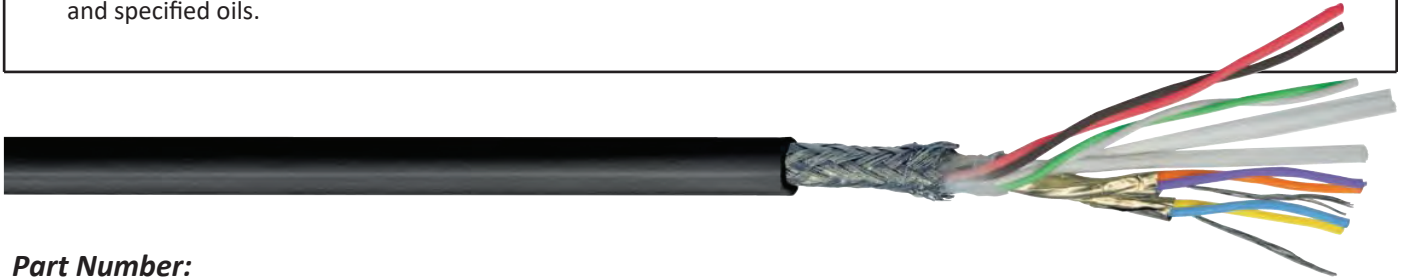


## Super flexible USB 3.0 Cables for 3D Robotic Automations

The Super Flexible USB 3.0 cables from P&D cables is specially designed for the robotic 3D automation movements. It is designed for high frequency data transmission necessarily in the growing industrial application. The cable is widely used in the image processing systems. The cable increases efficiency, precision, and productivity in today's automation and manufacturing systems. The cable allows for a reliable and quick collection of data from the camera to the industrial server. The cable is designed for demanding image processing under extreme application environments. Suitable for use in dry, humid, and wet rooms. The wire is largely resistant to common acid and bases, and specified oils.



**Part Number:**

90PSTU3

**Wire Dimensions:**

3 Pairs, 28AWG + 2 Cores, 26AWG

**Insulation:**

Special elastomer compound with strength support

**Color Coding:**

Blue, Yellow, Violet, Orange, Green, White, Black, Red

**Strength Member:**

Strength support material with special binding layers

**Special Twist-proof Screening:**

Tinned copper special braiding

**Cable Sheath:**

The sheath of the wire is made of special tear-resistant polyurethane compound elastomer material which can endure heat up to +194°F. It can still maintain its flexibility even in low temperature as low as -40°F. This material is also oil resistant in general to common oils, acc. EN 50363-10-2. It is also flame-retardant, and self extinguishing acc. to IEC 60332-1-2 EN 60332-1-2.

**Electrical Characteristics:**

Operating Voltage (Peak) - max. 350 V  
 Voltage Test -  
 (Core/Core) 2kV  
 (Core/Screen) 2kV

**Physical Properties:**

Operating Temperature - fixed - 58°F ~ +194°F  
 flex - 40°F ~ +194°F  
 Bending Radius - fixed 5xD  
 flex 10xD  
 cont. flex 15xD

**Approvals and Standards:**

Acc. to IEC 60332-1-2  
 Acc. to EN 60332-1-2  
 Acc. to EN 50363-10-2  
 RoHS

Torsion - ± 360°, please contact for details  
 Cable Diameter - approximately 0.25 inch

Please Note: All indications on this data sheet have been made to the best of our knowledge. They are only a non-binding advice and serve as a starting point for plannings. They do not release the user from own tests regarding the suitability of the desired application purposes. Processing and the use of the products cannot be controlled by us and are therefore exclusively in the user's field of responsibility. The design is subject to alteration if new realization will make it necessary.