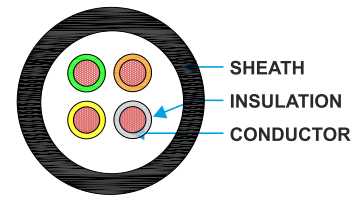




Sensor Cables

PUR Unshielded Cable



Application

Sensor cables have a variety of applications that vary by industry and intended use. Piezoelectric sensors are commonly used in many applications, which can measure changes in pressure, acceleration, strain, or force. These cables are used for various sensor applications in industries such as marine, military, aerospace, industrial, wind energy, driverless cars/autonomous vehicles, and oil & gas sectors. These applications include measuring pressure for industrial, automotive, and aerospace applications to measure oil, gas, water, temperature, etc. Temperature measurement of ambient environments, position sensors for construction equipment, building control, weighing systems, vibration sensors for railway, aerospace, and automotive measurement in critical applications, traffic sensors for speed and red light camera, and cameras and visual/motion detection systems.

Construction

- Conductor: Superfine wire strands of bare copper wire, multi strands- VDE 0812
- Insulation: PVC-based compound
- Core identification: Colour code
- 3-core: brown, blue, black
- 4-core: brown, white, blue, black
- 5-core: brown, white, blue, black, grey
- Stranding: Cores stranded to bundle.
- Outer sheath: PUR-based compound
- Colour: Black (similar RAL 9005)

Properties

- Minimum bending radius flexing: 10D, fixed installation : 5D
- Temperature range flexing : -5°C up to +70°C, fixed installation : -40°C up to +80°C
- Flammability flame retardant : Acc. to IEC 60332-1-2.

D = Cable Diameter

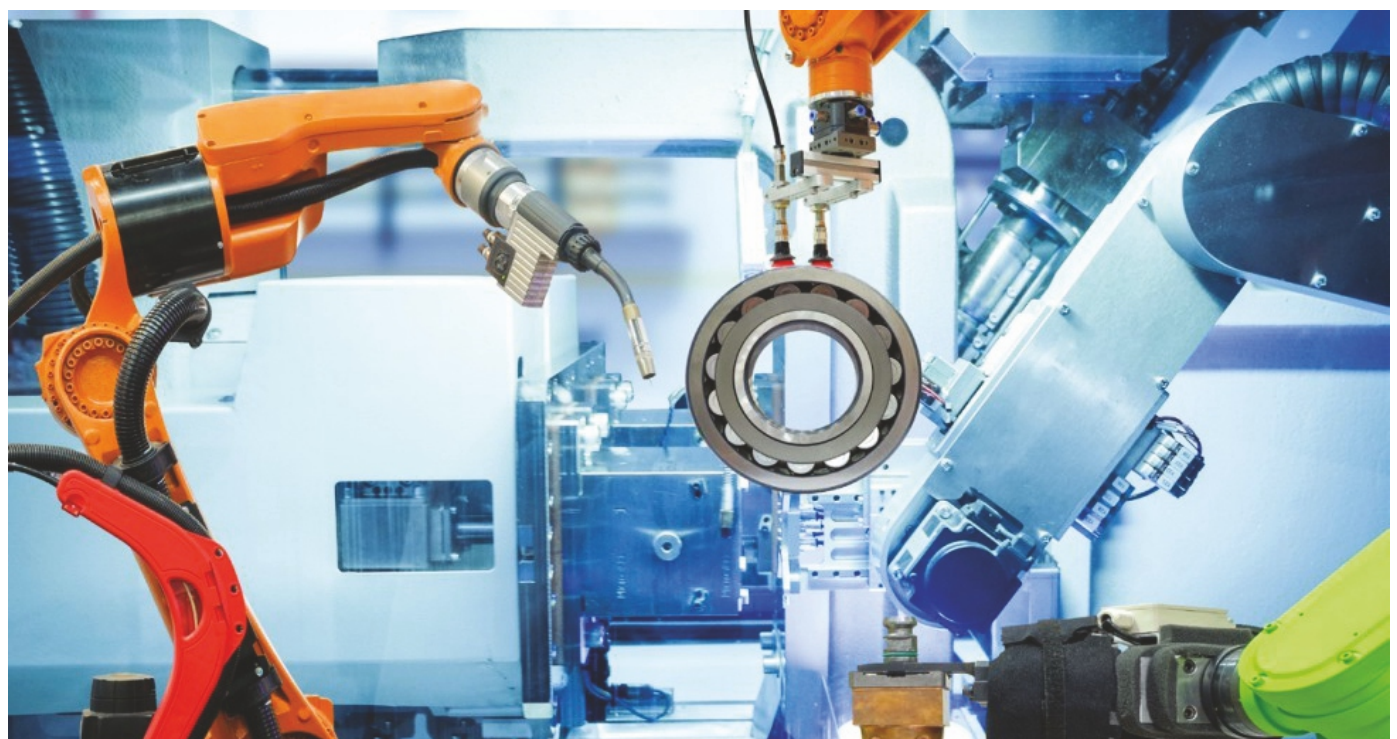
Technical Parameter

- Conductor resistance : 0.25 mm²: max. 79 /Ω/km 0.34 mm²: max. 57 Ω/km
- Specific volume resistivity : > 20 G Ω x cm
- Peak operating voltage : 300 V (not for power applications)
- Test voltage : C/C: 2000 V



Dimension

Part code	No. of Cores & Nominal Cross Sectional Area (Sq. mm)	Approx. Cable Diameter (mm)
2103B000205	5x0.25 mm ²	4.3 mm
2103B000304	4x0.34 mm ²	4.6 mm



2103 - Sensor Cables