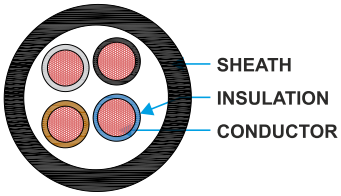
Sensor Cables

PVC Unshielded Cable



Application

Sensor cable for medium mechanical stress. They are suitable for use in automated production in dry conditions. The cables are intended for fixed installation and conditional flexible use. The used materials can be processed very well and are easily removable.

Construction

- Conductor : superfine wire strands of bare copper wires standard VDE 0812
- Insulation : special 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 : special PVC-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, ixed installation : -40°C up to +80°C
- Flammability flame retardant : Acc. to IEC 60332-1-2

D = Cable Diameter

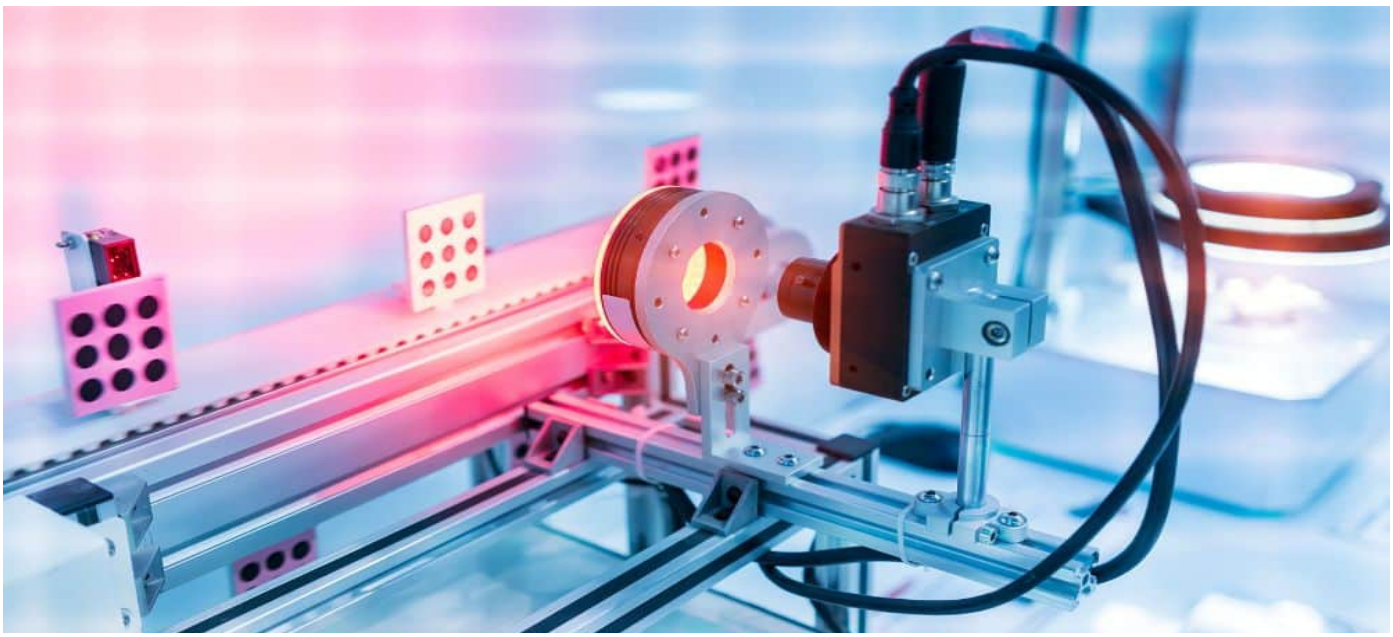
Technical Parameter

- 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

RoHS CE

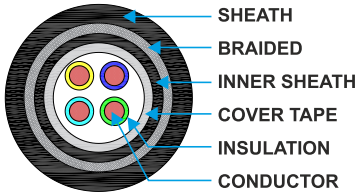
Dimension

Part code	No. of Cores & Nominal Cross Sectional Area (Sq. mm)	Approx. Cable Diameter (mm)
2101B000203	3x0.25 mm²	3.8 mm
2101B000204	4x0.25 mm²	4.2 mm
2101B000303	3x0.34 mm²	4.1 mm
2101B000304	4x0.34 mm²	4.4 mm
2101B000305	5x0.34 mm²	4.8 mm



Sensor Cables

PVC Shielded 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
- Insulation : Special 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.
- Inner sheath : Special PVC-based compound (Optional)
- Braid : Min. 85% coverage tinned copper braid
- Outer sheath : Special PVC-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 UL : FT1 and VW1 CSA : FT1

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

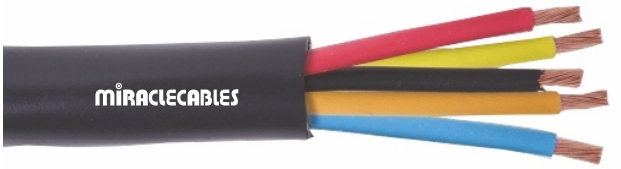
RoHS CE

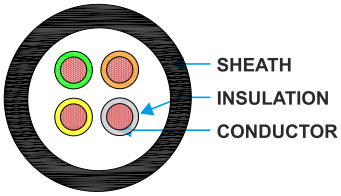
Dimension

Part code	No. of Cores & Nominal Cross Sectional Area (Sq. mm)	Approx. Cable Diameter (mm)
2102B000203	3x0.25 mm²	4.3 mm
2102B000204	4x0.25 mm²	4.6 mm
2102B000303	3x0.34 mm²	4.4 mm
2102B000304	4x0.34 mm²	4.8 mm
2102B000305	5x0.34 mm²	5.2 mm

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

RoHS CE

Dimension

Part code	No. of Cores & Nominal Cross Sectional Area (Sq. mm)	Approx. Cable Diameter (mm)
2103B000205	5x0.25 mm²	4.3 mm
2103B000304	4x0.34 mm²	4.6 mm