

Kistler 1645C Coaxial Connection Cables

PCS Company offers Kistler 1645C Coaxial Connection Cables for high impedance piezoelectric measurement, which demands highly insulated coaxial cables and connectors to ensure an insulation resistance greater than $10^{13} \Omega$ throughout the measuring chain. Only low-noise coaxial cables that produce very little triboelectricity during movement may be used. The connectors must be robust, sealed, and resistant to dirt. Kistler connectors have been developed specifically to meet these requirements. The Kistler 1645C cables are made of stainless steel. This provides improved durability, measurement reliability and accuracy compared to galvanized connectors. All Kistler connectors contain an O-ring seal at the cable and the connection ends.

Features:

- Available in 0.40m and 1.0m lengths
- 392°F/200°C max operating temperature
- Fluoropolymer covering
- M4x0.35 pos. – Fischer KE112
- IP65 Degree of protection EN 60529
- Compatible with the 9211 and 9204 sensors
- Compatible with RJG 1645 cable
- M4 sensor connections

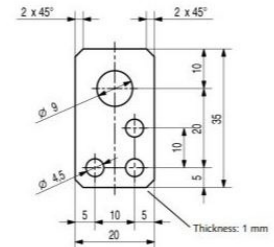
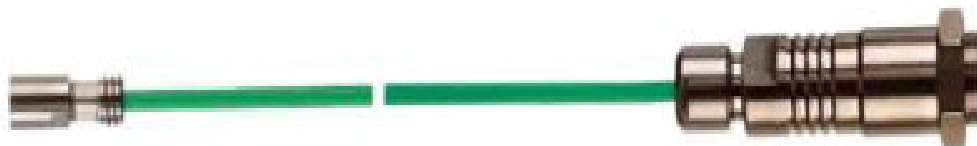


Fig. 10: Mounting plate Mat. No. 65005208



Item Number	DIA	Length	With Mounting Plate
18000565-1	2mm	0.4m	Y
18042144-1	2mm	1m	Y
18000565	2mm	0.4m	N
18042144	2mm	1m	N
650052808	N/A	35m	Mounting Plate Only

Kistler Cavity Pressure Sensor Heads 9204B

PCS Company offers Kistler 9204 cavity pressure sensor head that offers high resolution and a rugged, welded case, for measuring indirect cavity pressure, behind an ejector pin, during the injection molding of plastics. The charge signal (pC = Picocoulomb) output by the force sensor is converted in the Kistler charge amplifier or in a monitoring unit into a proportional output voltage that is largely independent of the length of the sensor cable. The maximum possible output voltage from the standard amplifier is 10 V.

Features:

- Ensures consistent part quality
- Allows for precise measurement of cavity pressure
- Improves process reliability
- 12.6 mm diameter
- Machined on all sides extremely compact cavity pressure sensor head
- For cavity pressures up to 3000 bar
- M2.5 fastening thread
- 200°C max. operating temperature
- Requires 1645 cable (not included)
- Cables available in 0.4 & 1m lengths
- Compatible with RJG 9204 sensor
- M4 sensor connection



Item Number	Head Diameter	Measuring Range	Overload	Threshold	Sensitivity
18007415	12.6mm	0 - 10 kN	12000 N	30 mN	-1.6 pC/N

Kistler Cavity Pressure Sensor Heads 9211B

PCS Company offers the Kistler 9211B miniature indirect cavity pressure sensor, offering high resolution, extremely small dimensions, and a rugged, welded case, for measuring mold cavity pressure of up to 3,000 bar during injection. The sensor is positioned under the ejector pin in the ejector plate, and measures the force curve using the ejector pin. This allows calculation of the actual mold cavity pressure. Thanks to its compactness the 9211B miniature force sensor is suitable for dynamic and quasistatic force measurements, particularly useful for applications in injection molding, where space is critical and forces are high. Indirect pressure measurement is particularly suitable for molds with small cavities.

Features:

- Ensures consistent part quality
- Allows for precise measurement of cavity pressure
- Improves process reliability
- 6 mm diameter
- Extremely compact cavity pressure sensor
- For cavity pressures up to 3000 bar
- Requires 1645 cable (not included)
- Cables available in 0.4 & 1m lengths
- Compatible with RJG 9211 sensor
- M4 sensor connection



Item Number	Head Diameter	Measuring Range	Overload	Threshold	Sensitivity
18007432	6 mm	0 - 2.5 kN	3000 N	10 mN	-4.4 pC/N