## Cables & connector adapters

**Type 1511 ... 1794A**

for accelerometers & selected pressure & force sensors

Used with high impedance, charge mode with low impedance voltage mode and capacitive sensors. Standard cable lengths are detailed in meters. User specified lengths are labeled "sp".

Note: Unspecified lower temperature limit of cable is determined by operating temperate of sensor in use.

### High impedance cables

<table>
<thead>
<tr>
<th>10-32 pos.</th>
<th>BNC pos.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-32 pos.</td>
<td>Type 1635A&lt;br&gt;Type 1635C (low noise)</td>
</tr>
<tr>
<td>10-32 neg.</td>
<td>Type 1637C</td>
</tr>
<tr>
<td>BNC pos.</td>
<td>Type 1631A&lt;br&gt;Type 1631C (low noise)&lt;br&gt;Type 1632A... (hex. 10-32 nut)&lt;br&gt;Type 1641Asp (right angle)</td>
</tr>
<tr>
<td>BNC neg.</td>
<td></td>
</tr>
</tbody>
</table>

### Voltage mode single-axis IEPE cables

<table>
<thead>
<tr>
<th>10-32 pos.</th>
<th>5-44 pos.</th>
<th>BNC pos.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNC pos.</td>
<td>Type 1761B&lt;br&gt;Type 1768A...K01 (flexible)&lt;br&gt;Type 1632A... (hex. 10-32 nut)</td>
<td>Type 1511sp</td>
</tr>
<tr>
<td>10-32 pos.</td>
<td>Type 1762B&lt;br&gt;Type 1768A...K02 (flexible)</td>
<td></td>
</tr>
<tr>
<td>10-32 neg.</td>
<td>Type 1766AK01</td>
<td></td>
</tr>
</tbody>
</table>
### Voltage mode triaxial IEPE cables

<table>
<thead>
<tr>
<th>Connector adaptors</th>
<th>¼–28, 4 pin neg.</th>
<th>M4.5, 4 pin neg.</th>
<th>¼–28, 4 pin pos.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 x BNC</td>
<td>Type 1756C...K04</td>
<td>Type 1784A...K04</td>
<td>Type 1792A...K04</td>
</tr>
<tr>
<td>Pigtail</td>
<td>Type 1734A...K03 (flexible)</td>
<td>Type 1756CK005 (low outgassing)</td>
<td>Type 1578A</td>
</tr>
<tr>
<td>Pigtails</td>
<td>Type 1592M1</td>
<td>Type 1592M015sp (low outgassing)</td>
<td>Type 1592AK02 (low outgassing)</td>
</tr>
</tbody>
</table>

### Voltage mode capacitive cables

<table>
<thead>
<tr>
<th>Connector adaptors</th>
<th>¼–28, 4 pin neg.</th>
<th>9 pin circular neg.</th>
<th>9 pin D-Sub neg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pigtails</td>
<td>Type 1592M1</td>
<td>Type 1792A...K00 (flexible)</td>
<td>Type 1792A...K00</td>
</tr>
<tr>
<td>Pigtail</td>
<td>Type 1534A...K00 (flexible)</td>
<td>Type 1792A...K00 (braided)</td>
<td>Type 1792A...K10 (low smoke)</td>
</tr>
<tr>
<td>Pigtails</td>
<td>Type 1592M1Q1 (IP68)</td>
<td>Type 1592M1Q1 (IP68)</td>
<td>Type 1592M1Q1 (IP68)</td>
</tr>
<tr>
<td>Type 1578A</td>
<td>Type 1578M011sp (low outgassing)</td>
<td>Type 1578A</td>
<td></td>
</tr>
<tr>
<td>Type 1578A</td>
<td>Type 1578M011sp (low outgassing)</td>
<td>Type 1578A</td>
<td></td>
</tr>
<tr>
<td>Type 1578A</td>
<td>Type 1784B...K04</td>
<td>Type 1784B...K04</td>
<td></td>
</tr>
<tr>
<td>Type 1578A</td>
<td>Type 1784B...K05 (low smoke)</td>
<td>Type 1784B...K05 (low smoke)</td>
<td></td>
</tr>
<tr>
<td>Type 1578A</td>
<td>Type 1784B...K06 (low smoke)</td>
<td>Type 1784B...K06 (low smoke)</td>
<td></td>
</tr>
</tbody>
</table>

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Dimensions are shown in mm [in], unless otherwise noted.

**Detailed specifications - by type No.**

**1511A...** General purpose electronics output cable and low noise extension cable

- BNC pos. IP40, Ø 3.1 [0.12] pos. IP40
- Temperature range °C [°F] -10... 70 [20... 160]
- Capacitance pF/m [pF/ft] 66 [20]
- Cable lengths m 1 / sp
- Cable materials polyethylene insulation & PVC jacket
- Recommended sensor types voltage mode, IEPE sensors

**1534A...K00** Flexible signal output cable for voltage mode sensors

- ¼–28, 4 pin neg. IP64, Ø 2.5 [0.098] Pig tail 34 AWG
- Temperature range °C [°F] <200 [<390]
- Cable length m 2 / 5 / 10 / sp
- Cable materials flexible silicon jacketed
- Recommended sensor types triaxial voltage mode/IEPE sensors or single-axis capacitive

**1578A...** Extension cable for voltage mode sensors

- ¼–28, 4 pin neg. IP64, Ø 2.5 [0.098] ¼–28, 4 pin pos. IP64
- Temperature range °C [°F] <200 [<390]
- Cable length m 2 / sp
- Cable materials fluoropolymer jacketed
- Recommended sensor types triaxial voltage mode/IEPE sensors or single-axis capacitive

**1578M011sp** Low outgassing extension cable for voltage mode sensors

- ¼–28, 4 pin neg. IP64, Ø 2.5 [0.098] ¼–28, 4 pin pos. IP64
- Temperature range °C [°F] <200 [<390]
- Cable length m sp
- Cable materials fluoropolymer jacketed – no outgassing materials
- Recommended sensor types triaxial voltage mode/IEPE sensors or single-axis capacitive

**1592A** Signal output cable for voltage mode sensors

- Temperature range °C [°F] <200 [<390]
- Cable length m 2 / 4 / sp
- Cable materials fluoropolymer jacketed
- Recommended sensor type triaxial voltage mode/IEPE sensors

**1592M1...** Signal output cable for single-axis capacitive sensors (Type 8315A...)

- Temperature range °C [°F] <100 [<212]
- Cable length m 2 / sp
- Cable materials fluoropolymer jacketed
- Recommended sensor type single-axis capacitive sensors (Type 8315A...)

**1592M1Q1...** Signal output cable for single-axis capacitive sensors

- Temperature range °C [°F] <100 [<212]
- Cable length m 2
- Cable materials fluoropolymer jacketed
- Recommended sensor types single-axis capacitive sensors (Type 8315A...)

---

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Connector adaptors - for accelerometers & selected pressure & force sensors, type 1511...1794A

Dimensions are shown in mm [in], unless otherwise noted.

**Detailed specifications - by type No.**

### 1592M2... Halogen-free/low smoke signal output cable for single-axis capacitive sensors (Type 8315A...)

- **Electrical Interface**
  - AT, BT Output Types
  - CT, DT Output Types

- **Pin number**
  - 1: Red, Power
  - 2: Black, Return
  - 3: Yellow, Temp.
  - 4: White, Output +

- **Shield**
  - Case

- **Temperature range**
  - °C [°F]: –10 ... 70 [20 ... 160]

- **Capacitance**
  - pF/m [pF/ft]: 66 [20]

- **Cable length**
  - m: 1 / 2 / 5 / 10 / 20 / sp

- **Cable materials**
  - polyethylene insulation & PVC jacket

- **Recommended sensor types**
  - charge mode piezoelectric sensors

### 1601B... Extension cable for high impedance, charge mode sensors

- **Electrical Interface**
  - Power
  - Return
  - Temp.
  - Output +

- **Temperature range**
  - °C [°F]: –195 ... 200 [–320 ... 400]

- **Capacitance**
  - pF/m [pF/ft]: 100 [30]

- **Cable length**
  - m: 1 / 2 / 3 / 5 / 10 / 20 / sp

- **Cable materials**
  - fluoropolymer insulation & green fluoropolymer outer jacket

- **Recommended sensor types**
  - charge mode piezoelectric sensors

### 1603B... Extension cable for high impedance, charge mode sensors

- **Electrical Interface**
  - Power
  - Return
  - Temp.
  - Output +

- **Temperature range**
  - °C [°F]: –195 ... 200 [–320 ... 400]

- **Capacitance**
  - pF/m [pF/ft]: 100 [30]

- **Cable length**
  - m: 1 / 2 / 3 / 5 / 10 / 20 / sp

- **Cable materials**
  - fluoropolymer insulation & blue fluoropolymer outer jacket

- **Recommended sensor types**
  - charge mode piezoelectric sensors

---

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Dimensions are shown in mm [in], unless otherwise noted.

**Detailed specifications - by type No.** (continued…)

| Connector adaptors - for accelerometers & selected pressure & force sensors, type 1511…1794A |
|-----------------|-----------------|-----------------|-----------------|
| **1635A...** Extension cable for high impedance, charge mode sensors |
| 10-32 pos. IP65 | Ø 2.0 | 10-32 pos. IP65 |
| Temperature range | °C | –195 … 200 | °C |
| | °[F] | [–320 … 400] |
| Capacitance | pF/m [pF/ft] | 100 [30] |
| Cable length | m | 1 / 2 / 3 / 5 / sp |
| Cable materials | fluoropolymer insulation & blue fluoropolymer outer jacket |
| Recommended sensor types | charge mode piezoelectric sensors |

| **1637C...** Extension cable for high impedance, charge mode sensors |
|-----------------|-----------------|-----------------|-----------------|
| 10-32 pos. IP65 | Ø 2.0 | 10-32 neg. IP65 |
| Temperature range | °C | –195 … 200 | °C |
| | °[F] | [–320 … 400] |
| Capacitance | pF/m [pF/ft] | 100 [30] |
| Cable length | m | 2 / 5 / sp |
| Cable materials | fluoropolymer insulation & green extruded fluoropolymer outer jacket |
| Recommended sensor types | charge mode piezoelectric sensors |

| **1641Asp...** Right-angle output cable for high impedance, charge mode sensors |
|-----------------|-----------------|-----------------|-----------------|
| 10-32 pos. IP65 | Ø 2.0 | BNC pos. IP40 |
| Temperature range | °C | –195 … 200 | °C |
| | °[F] | [–320 … 400] |
| Capacitance | pF/m [pF/ft] | 100 [30] |
| Cable length | m | sp |
| Cable materials | fluoropolymer insulation & blue fluoropolymer outer jacket |
| Recommended sensor types | charge mode piezoelectric sensors |

| **1734A...K03/K04** Flexible signal output cable for triaxial voltage mode accelerometers |
|-----------------|-----------------|-----------------|-----------------|
| ¼–28, 4 pin neg. IP64 | Ø 2.5 | BNC pos. IP40 |
| Temperature range | °C °[F] | <200 [<400] | °C °[F] |
| (from sensor to breakout cable) |
| Cable length | m | 1 / 3 / 5 / 10 / sp (max. 10 m) |
| Cable materials | flexible silicon jacketed |
| Recommended sensor types | triaxial voltage mode/IEPE sensors |

| **KIG4898C...Q1** IP68 signal output cable for triaxial voltage mode accelerometers |
|-----------------|-----------------|-----------------|-----------------|
| ¼–28, 4 pin neg. IP68 | Ø 2.5 | BNC pos. IP40 |
| Temperature range | °C °[F] | <200 [<392] | °C °[F] |
| (from sensor to breakout cable) |
| Cable length | m | 3 / 7 / 15 / sp (max. 20 m) |
| Cable materials | fluoropolymer jacketed |
| Recommended sensor types | triaxial voltage mode/IEPE sensors |

| **1756C...K04** Signal output cable for triaxial voltage mode accelerometers |
|-----------------|-----------------|-----------------|-----------------|
| ¼–28, 4 pin neg. IP64 | Ø 2.5 | BNC pos. IP40 |
| Temperature range | °C °[F] | –196 … 200 | °C °[F] |
| (from sensor to breakout cable) |
| Cable length | m | 3 / 5 / 10 / sp (max. 20 m) |
| Cable materials | fluoropolymer jacketed |
| Recommended sensor types | triaxial voltage mode/IEPE sensors |
Connector adaptors - for accelerometers & selected pressure & force sensors, type 1511...1794A

Dimensions are shown in mm [in], unless otherwise noted.

Detailed specifications - by type No. (continued...)

1756CK00sp Low outgassing signal output cable for triaxial voltage mode accelerometers

![Connector end view](image)

<table>
<thead>
<tr>
<th>¼–28, 4 pin neg. IP64</th>
<th>Ø 2.5</th>
<th>30 Pig tail AWG</th>
</tr>
</thead>
</table>

Temperature range °C [°F] –196 ... 200 [–320 ... 400]

Cable length m

Cable materials fluoropolymer jacketed – no outgassing materials

Recommended sensor types triaxial voltage mode/IEPE sensors

1756C...K05 Signal output cable for triaxial voltage mode accelerometers

![Connector end view](image)

<table>
<thead>
<tr>
<th>¼–28, 4 pin neg. IP64</th>
<th>Ø 2.5</th>
<th>10-32 pos. IP65</th>
</tr>
</thead>
</table>

Temperature range °C [°F] –196 ... 200 [–320 ... 400]

(from sensor to breakout cable)

Cable length m 3 / 5 / 10 / sp (max. 20 m)

Cable materials fluoropolymer jacketed

Recommended sensor types triaxial voltage mode/IEPE sensors

1762B... Extension cable for single-axis voltage mode accelerometers

![Connector end view](image)

<table>
<thead>
<tr>
<th>10-32 pos. IP65</th>
<th>Ø 2.0</th>
<th>10-32 pos. IP65</th>
</tr>
</thead>
</table>

Temperature range °C [°F] –195 ... 200 [–320 ... 400]

Capacitance pF/m [pF/ft] 66 [20]

Cable length m 1 / 2 / 3 / 5 / sp

Cable materials fluoropolymer jacketed

Recommended sensor types single-axis voltage mode/IEPE sensors

1766A...K01 Extension cable for miniature single-axis voltage mode accelerometers

![Connector end view](image)

<table>
<thead>
<tr>
<th>5-44 pos. IP64</th>
<th>Ø 1.5</th>
<th>10-32 neg. IP65</th>
</tr>
</thead>
</table>

Temperature range °C [°F] –65 [–330]

Capacitance pF/m [pF/ft] 66 [20]

Cable length m

Cable materials fluoropolymer jacketed

Recommended sensor types single-axis voltage mode/IEPE sensors

1768A...K01 Flexible extension cable for single-axis voltage mode accelerometers

![Connector end view](image)

<table>
<thead>
<tr>
<th>10-32 pos. IP65</th>
<th>Ø 2.0</th>
<th>BNC pos. IP40</th>
</tr>
</thead>
</table>

Temperature range °C [°F] –40 ... 100 [–40 ... 212]

Capacitance pF/m [pF/ft] 66 [20]

Cable length m 1 / 2 / 3 / 5 / sp

Cable materials flexible PVC jacketed

Recommended sensor types single-axis voltage mode/IEPE sensors

1768A...K02 Flexible extension cable for single-axis voltage mode accelerometers

![Connector end view](image)

<table>
<thead>
<tr>
<th>10-32 pos. IP65</th>
<th>Ø 2.0</th>
<th>10-32 pos. IP65</th>
</tr>
</thead>
</table>

Temperature range °C [°F] –40 ... 100 [–40 ... 212]

Capacitance pF/m [pF/ft] 66 [20]

Cable length m 1 / 2 / 3 / 5 / sp

Cable materials flexible PVC jacketed

Recommended sensor types single-axis voltage mode/IEPE sensors
Connector adaptors - for accelerometers & selected pressure & force sensors, type 1511...1794A

Dimensions are shown in mm [in], unless otherwise noted.

**Detailed specifications - by type No.** (continued…)

### 1784M015sp
Low outgassing signal output cable for miniature 4 pin connector triaxial voltage mode accelerometers

![Connector adaptors](image)

- **Temperature range**: °C [°F] <100 [<212]
- **Cable length**: m sp
- **Cable materials**: fluoropolymer jacketed – no outgassing material
- **Recommended sensor types**: triaxial voltage mode/IEPE sensors with mini 4 pin connector

### 1784M016sp
Low outgassing signal output cable for miniature 4 pin connector triaxial voltage mode accelerometers

![Connector adaptors](image)

- **Temperature range**: °C [°F] <100 [<212]
- **Cable length**: m sp
- **Cable materials**: fluoropolymer jacketed – no outgassing material
- **Recommended sensor types**: triaxial voltage mode/IEPE sensors with mini 4 pin connector

### 1784M017sp
Flexible extension cable for miniature 4 pin connector triaxial voltage mode accelerometers

![Connector adaptors](image)

- **Temperature range**: °C [°F] –55 … 125 [-65 … 260]
- **Cable length**: m sp
- **Cable materials**: polyurethane jacketed – flexible
- **Recommended sensor types**: triaxial voltage mode/IEPE sensors with mini 4 pin connector

### 1784A...K02
Extension cable for miniature 4 pin connector triaxial voltage mode accelerometers

![Connector adaptors](image)

- **Temperature range**: °C [°F] <100 [<212]
- **Cable length**: m 0.5 / sp
- **Cable materials**: fluoropolymer jacketed
- **Recommended sensor types**: triaxial voltage mode/IEPE sensors with mini 4 pin connector

### 1784B...K03
Signal output cable for miniature 4 pin connector triaxial voltage mode accelerometers

![Connector adaptors](image)

- **Temperature range**: °C [°F] –55 ... 212 [-65 ... 212]
- **Cable length**: m 1 / 3 / 5 / 10 / 15 / sp
- **Cable materials**: fluoropolymer jacketed
- **Recommended sensor types**: triaxial voltage mode/IEPE sensors with mini 4 pin connector

### 1786D...
Signal output/power cable for voltage mode accelerometers

![Connector adaptors](image)

- **Temperature range**: °C [°F] <100 [<212]
- **Cable length**: m sp (max. 10 m)
- **Cable materials**: fluoropolymer jacketed
- **Recommended sensor types**: servo-capacitive sensors (Type 8330B3...)

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**Detailed specifications - by type No.** (continued...)

### 1792A...K00 / K800
Signal output cable for triaxial capacitive accelerometers (Type 8395A...)

- **Pin View:**
  - **9 pin circular**
  - **Ø 4.6**
  - **Pig tail**
  - **neg. IP64**

#### Connector adaptors - for accelerometers & selected pressure & force sensors, type 1511...1794A

<table>
<thead>
<tr>
<th>Sensor Connector</th>
<th>Function Output of Type 8395A...</th>
<th>Cable Pigtail Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. 9 pin connector</td>
<td>AT B1 versions</td>
<td>CT B1 versions</td>
</tr>
<tr>
<td>1</td>
<td>Power</td>
<td>Power</td>
</tr>
<tr>
<td>2</td>
<td>Ground</td>
<td>Ground</td>
</tr>
<tr>
<td>3</td>
<td>X DC output</td>
<td>X DC output +</td>
</tr>
<tr>
<td>4</td>
<td>X DC output</td>
<td>X DC output +</td>
</tr>
<tr>
<td>5</td>
<td>2 DC output</td>
<td>2 DC output +</td>
</tr>
<tr>
<td>6</td>
<td>Temp. output</td>
<td>Temp. output</td>
</tr>
<tr>
<td>7</td>
<td>N/C</td>
<td>X DC Output +</td>
</tr>
<tr>
<td>8</td>
<td>N/C</td>
<td>X DC Output +</td>
</tr>
<tr>
<td>9</td>
<td>N/C</td>
<td>X DC Output +</td>
</tr>
</tbody>
</table>

#### Cable Type
- Type 1792A...K00
- Type 1792A...K800

#### Temperature range
- °C [°F]
- <150 [<300]
- <125 [<257]

#### Cable length
- m
- 2 / 5 / 10 / sp

#### Cable materials
- flexible silicon jacketed
- braided cable

#### Recommended sensor type
- triaxial capacitive sensors (Type 8395A...)

### 1792A...K01 / K801
Signal output cable for triaxial capacitive accelerometers (Type 8395A...)

- **Pin View:**
  - **9 pin circular**
  - **Ø 4.6**
  - **Pin 6 Connector End View**
  - **9 pin D-Sub**

#### Recommended sensor types triaxial capacitive sensors (Type 8395A...)

#### Connector adaptors - for accelerometers & selected pressure & force sensors, type 1511...1794A

<table>
<thead>
<tr>
<th>Sensor Connector</th>
<th>Function Output of Type 8395A...</th>
<th>Cable Pigtail Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. 9 pin connector</td>
<td>AT B1 versions</td>
<td>CT B1 versions</td>
</tr>
<tr>
<td>1</td>
<td>Power</td>
<td>Power</td>
</tr>
<tr>
<td>2</td>
<td>Ground</td>
<td>Ground</td>
</tr>
<tr>
<td>3</td>
<td>X DC output</td>
<td>X DC output +</td>
</tr>
<tr>
<td>4</td>
<td>X DC output</td>
<td>X DC output +</td>
</tr>
<tr>
<td>5</td>
<td>2 DC output</td>
<td>2 DC output +</td>
</tr>
<tr>
<td>6</td>
<td>Temp. output</td>
<td>Temp. output</td>
</tr>
<tr>
<td>7</td>
<td>N/C</td>
<td>X DC Output +</td>
</tr>
<tr>
<td>8</td>
<td>N/C</td>
<td>X DC Output +</td>
</tr>
<tr>
<td>9</td>
<td>N/C</td>
<td>X DC Output +</td>
</tr>
</tbody>
</table>

#### Cable Type
- Type 1792A...K01
- Type 1792A...K801

#### Temperature range
- °C [°F]
- <150 [<300]
- <125 [<257]

#### Cable length
- m
- 2 / 5 / 10 / sp

#### Cable materials
- flexible silicon jacketed
- braided cable

#### Recommended sensor types
- triaxial capacitive sensors (Type 8395A...)
Connector adaptors

Type 1701 connector adaptor
BNC neg.

Type 1702 connector adaptor
Solder terminals
KIAG 10-32 pos.

Type 1721 connector adaptor
KIAG 10-32 neg.
BNC pos.

Type 1723 connector adaptor
KIAG 10-32 neg.
TNC pos.

Type 1725 connector adaptor
KIAG 10-32 neg.
BNC neg.

Type 1729 connector adaptor
KIAG 10-32 neg.

Type 1743 connector adaptor
BNC neg.
BNC pos.