Accessories

Highly flexible connecting cable

Drag-chain suitable, high-insulation coaxial cable

The Type 1900A23A... connecting cable is a low-noise and high-insulation coaxial cable for use in drag-chains. Owing to its properties, the cable is especially well suited for dynamic use.

- Low-noise and high-insulation
- KIAG 10-32 pos. or BNC pos. on amplifier side
- Protection class IP 67 with bolted plug connection
- Minimal dynamic bending radius
- Customer-specific cable lengths possible

Description

Thanks to the special properties of the innovative coaxial cable, a life expectancy of at least 10 million bending cycles was verified in the test laboratory for versatile use in drag-chains. High abrasion resistance is thereby ensured. The KIAG 10-32 pos. connecting plug with a hexagonal swivel nut ensures IP67 protection.

The highly flexible connecting cable is available in various designs. In addition to standard lengths, customer-specific special lengths can also be provided. On the amplifier side, connection variant KIAG 10-32 pos. or BNC pos. can be selected. On the sensor side, the connectors KIAG 10-32 pos. or M4x0.35 pos. (only in combination with BNC pos.) are available.

Application

The highly flexible Type 1900A23A... connecting cable is ideally suited for highly dynamic applications in machine environments.

Installation

The tightening torque of the swivel nut on the sensor connector must be 1 N·m. The cable must not exert any tensile/lateral force or torque on the sensor connector. An appropriate fixture must be provided to ensure this.

Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature °C</td>
<td>-40 ... +200</td>
</tr>
<tr>
<td>Bending radius, dynamic mm</td>
<td>30</td>
</tr>
<tr>
<td>Bending radius, static mm</td>
<td>8</td>
</tr>
<tr>
<td>Bending cycles (drag-chain)</td>
<td>&gt;10 million</td>
</tr>
<tr>
<td>Bending cycles acc. to DIN EN 50289-3-9 paragraph 5</td>
<td>&gt;1.8 million</td>
</tr>
</tbody>
</table>

Protection class of KIAG 10-32 pos. connector, bolted, acc. to DIN EN 60529: IP67

Protection class of M4x0.35 pos. connector, acc. to DIN EN 60529: IP65

Protection class of BNC pos. connector, acc. to DIN EN 60529: IP40

Cable length, min./max. m: >0.3 / <20
Highly-flexible connecting cable – drag-chain suitable, high-insulation coaxial cable, Type 1900A23A...

Ordering key

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1900A23A11...</td>
<td>Drag-chain cable with two-sided KIAG 10-32 pos. connector with hexagonal swivel nut, L as specified in coding</td>
<td></td>
</tr>
<tr>
<td>1900A23A11sp</td>
<td>Drag-chain cable with two-sided KIAG 10-32 pos. connector with hexagonal swivel nut, L = specify when ordering (0.3 m &lt; L &lt; 20 m)</td>
<td></td>
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<tr>
<td>1900A23A12...</td>
<td>Drag-chain cable with KIAG 10-32 pos. connector with hexagonal swivel nut and BNC pos., L as specified in coding</td>
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<tr>
<td>1900A23A12sp</td>
<td>Drag-chain cable with KIAG 10-32 pos. connector with hexagonal swivel nut and BNC pos., L = specify when ordering (0.3 m &lt; L &lt; 20 m)</td>
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<tr>
<td>1900A23A22...</td>
<td>Drag-chain cable with M4x0.35 pos. connector and BNC pos., L as specified in coding</td>
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<tr>
<td>1900A23A22sp</td>
<td>Drag-chain cable with M4x0.35 pos. connector and BNC pos., L = specify when ordering (0.3 m &lt; L &lt; 20 m)</td>
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</table>

Cable length

<table>
<thead>
<tr>
<th>Length</th>
<th>Code</th>
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<tbody>
<tr>
<td>1 m</td>
<td>01</td>
</tr>
<tr>
<td>2 m</td>
<td>02</td>
</tr>
<tr>
<td>3 m</td>
<td>03</td>
</tr>
<tr>
<td>5 m</td>
<td>05</td>
</tr>
<tr>
<td>10 m</td>
<td>10</td>
</tr>
<tr>
<td>sp (&gt;0.3 m, &lt;20 m)</td>
<td>sp</td>
</tr>
</tbody>
</table>

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