

# 1-KAB146-6 and KAB-M

Cable for multicomponent transducer

## Special features

- 6-wire sensor cable
- Oil-resistant, UV-resistant and Skydrol-resistant (type 0228)
- LEMO plug, suitable for MCS10, etc.

### 1-KAB146-6

- Standard cable; cable type 0228; length 6 m; free ends

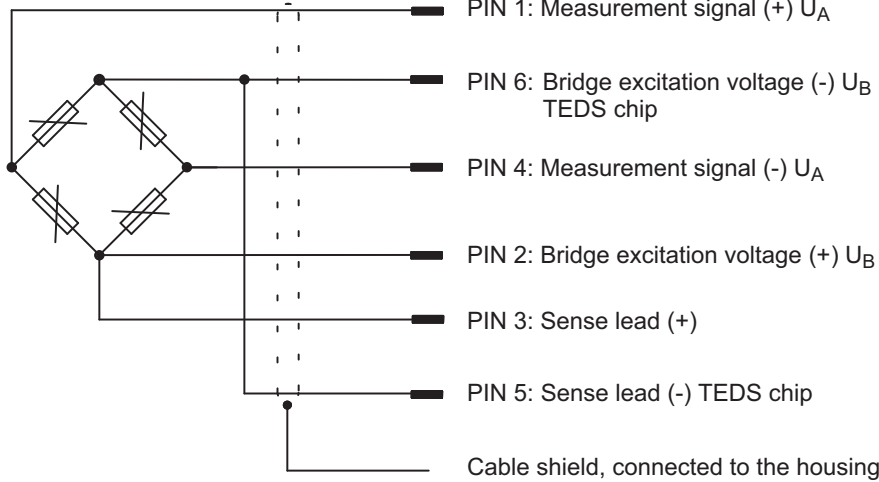
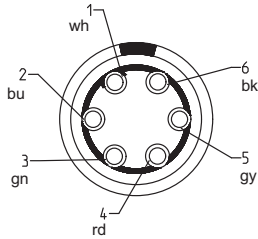
### KAB-M

- Cable suitable for drag chains (type 0151) available
- Type, length and cable ends configurable



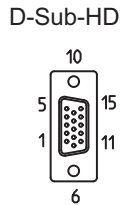
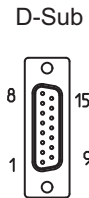
## Transducer assignment

6-pin Lemo



## Amplifier assignment

Free ends



wh (white)

8

5

bk (black)

5

2

rd (red)

15

10

bu (blue)

6

3

gn (green)

13

8

gy (gray)

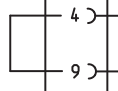
12

7

Shield

Hsg.

Hsg.



## Specifications

| Type  |                 | 1-KAB146-6 / KAB-M | KAB-M   |
|---|-----------------|--------------------|---|
| <b>Cable type</b>                             |                 | 0228               | 0151  |
| <b>Sheath material</b>                        |                 | TPE-V              | TPE-U   |
| <b>Sheath color</b>                           |                 | slate gray         | black   |
| <b>Outside diameter</b>                       | mm              | 4.8±0.2            | 3.8±0.2   |
| <b>Core insulation</b>                        |                 | TPE                | PET   |
| <b>Number of cores</b>                        |                 | 6                  | 6   |
| <b>Core cross-section</b>                     | mm <sup>2</sup> | 0.14               | 0.15  |
| <b>Thermal stability</b>                      |                 |                    |   |
| Moving  | °C              | -25 ... +105       | -25 ... +90   |
| Fixed   |                 | -40 ... +105       | -50 ... +90   |
| <b>Capacitance</b>                            |                 |                    |   |
| Core - core                                   | pF/m            | < 80               | < 120   |
| Core - shield                                 |                 | < 130              | < 200   |
| <b>Minimum bending radius</b>                 |                 |                    |   |
| Moving  |                 | 10 x D             | 10 x D  |
| Fixed   |                 | 5 x D              | 5 x D   |
| <b>Halogen-free</b>                           |                 | Yes                | Yes   |
| <b>Suitability inspection for drag chains</b> |                 | -                  | 3 million cycles:<br>Acceleration: 20m/s <sup>2</sup><br>Speed: 4m/s<br>Chain radius: 45 mm<br>Distance traversed: 2m |
| <b>Inspection for torsion resistance</b>      |                 | -                  | Every 3 million cycles<br>1m length to 90°<br>1m length to 180°   |

The standard cable 1-KAB146-6 is cable type 0228, 6m long and with free ends.

## Ordering options for KAB-M

|                 |   |
|-----------------|---|
| Ordering number |   |
| <b>K-KAB-M</b>  |   |
| Code            | Option 1: Cable type  |
| <b>0228</b>     | 6-wire cable, TPE-V, Ø4.8 mm, gray for MCS10                            |
| <b>0151</b>     | 6-wire cable, TPE-U, Ø3.8 mm, suitable for drag chains, black for MCS10 |
| Code            | Option 2: Sensor side connection  |
| <b>00</b>       | Lemo plug type 0T, 6-pin straight, for MCS10                            |
| Code            | Option 3: Length  |
| <b>003</b>      | 3 m   |
| <b>006</b>      | 6 m   |
| <b>015</b>      | 15 m  |
| <b>025</b>      | 25 m  |
| Code            | Option 4: Customer side connection                                      |
| <b>0000</b>     | Free ends   |
| <b>P006</b>     | D-Sub connector, 15-pin   |
| <b>P010</b>     | D-Sub-HD connector, 15-pin (for Quantum X)                              |

K-KAB-M -  -  -  -

Preferred version available as 1-KAB146-6.

Subject to modifications.  
All product descriptions are for general information  
only. They are not to be understood as a guarantee  
of quality or durability.

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