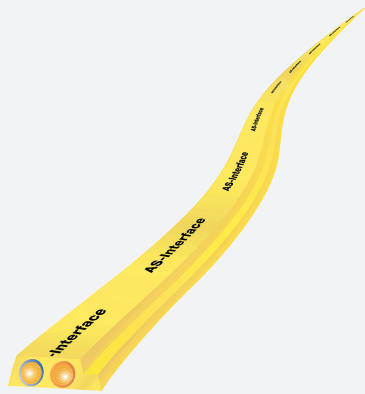




## AS-Interface flat cable VAZ-FK-S-YE-500M

- Cable piercing technique
- Resistant to environmental influence
- Resistant to bending
- Reverse polarity protected due to the shape of the cable
- Halogen-free (PVC-free)
- Does not give off silicone
- Graduations in meters

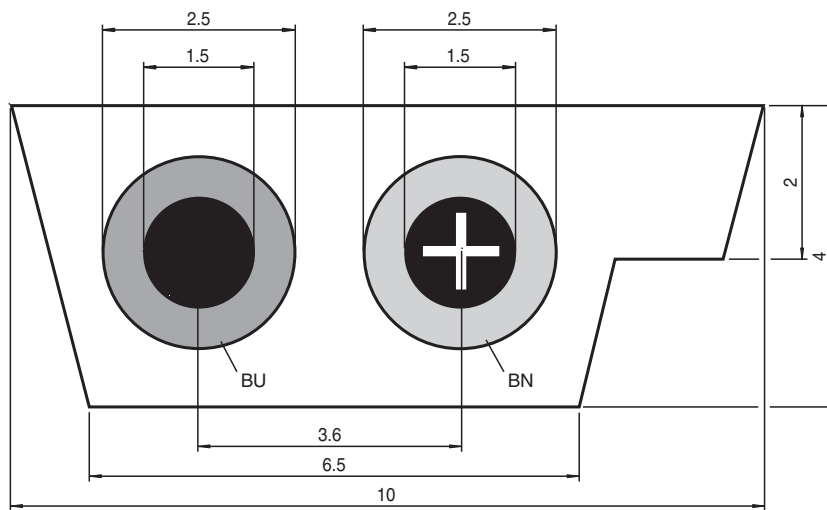
### AS-Interface flat cable



### Product Versions

+++ SAFETY +++  
Is also available with black SAFETY print (order code VAZ-FK-S-YE-SAFETY)

### Dimensions



### Technical Data

#### Electrical specifications

|                          |       |                                                     |
|--------------------------|-------|-----------------------------------------------------|
| Nominal voltage          | $U_N$ | 30.5 V                                              |
| Current loading capacity |       | According to DIN VDE 0298 Part 4, Table 6, Column 4 |

#### Ambient conditions

|                           |  |                                                                |
|---------------------------|--|----------------------------------------------------------------|
| Conductor temperature     |  | Operating mode: 90 °C (363 K)<br>Short-circuit: 200 °C (473 K) |
| Ambient temperature       |  |                                                                |
| Cable, fixed installation |  | -40 ... 85 °C (-40 ... 185 °F)                                 |
| Cable, flexing            |  | -25 ... 85 °C (-13 ... 185 °F)                                 |

#### Mechanical specifications

|                    |  |                                                                                                                                            |
|--------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------|
| Core cross section |  | Copper tin-plated, extra-fine wire, class 6 in accordance with DIN VDE 0295 cross-section 1.5 mm <sup>2</sup>                              |
| Bending radius     |  | min. permissible bend radii in accordance with DIN VDE 0298 Part 3, Table 2<br>Bending stress only permitted on the wide side of the cable |

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PEPPERL+FUCHS

Technical Data

|                 |  |                                                                                                                                   |
|-----------------|--|-----------------------------------------------------------------------------------------------------------------------------------|
| Tension loading |  | max. 50 N/mm² on laying acc. to DIN VDE 0298 Part 3                                                                               |
| Material        |  | Thermoplastic Elastomer (TPE)<br>Rubber compound EM3, based on DIN VDE 0207 Part 21                                               |
| Core insulation |  | Thermoplastic Elastomer (TPE)                                                                                                     |
| Cable           |  |                                                                                                                                   |
| Sheath color    |  | yellow (similar to RAL 1012)                                                                                                      |
| Number of cores |  | 2                                                                                                                                 |
| Cores color     |  | Core 1: brown<br>Core 2: blue                                                                                                     |
| Cable length    |  | 500 m                                                                                                                             |
| Note            |  | The cable is intended for use as a bus power line in inside areas. Only cable with a black sheathing is suitable for outside use. |

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