



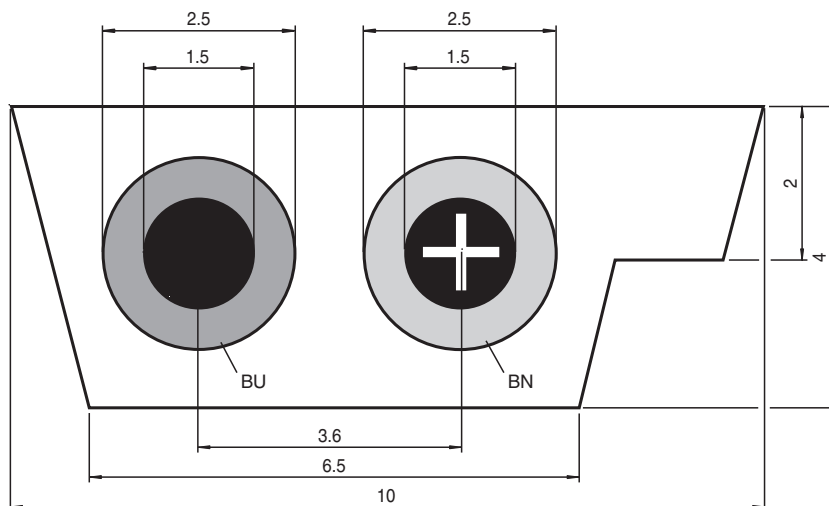
AS-Interface flat cable VAZ-FK-R-YE

- Oil resistant
- Cable piercing technique
- Resistant to environmental influence
- Resistant to bending
- Suitable for drag chains and abrasion resistant
- Reverse polarity protected due to the shape of the cable
- Does not give off silicone
- Graduations in meters

AS-Interface flat cable



Dimensions



Technical Data

General specifications

UL File Number	E310133
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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) Short-circuit: 120 °C (393 K)
Ambient temperature		
Cable, fixed installation		-40 ... 105 °C (-40 ... 221 °F)
Cable, flexing		-30 ... 105 °C (-22 ... 221 °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 ²
Bending radius		min. 50 mm min. permissible bending radii according to DIN VDE 0298 Part 3, Table 2 Bending stress only permissible on the wide side of the cable
Tension loading		max. 50 N/mm ² on laying acc. to DIN VDE 0298 Part 3

Release date: 2025-06-03 Date of issue: 2025-06-10 Filename: 040923_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

Material		Thermoplastic Elastomer (TPE) Rubber compound EM3, based on DIN VDE 0207 Part 21
Core insulation		Thermoplastic Elastomer (TPE)
Cable		UL-Style 2103 + CSA AWM II A/B
Sheath color		yellow (similar to RAL 1012)
Number of cores		2
Cores color		Core 1: brown Core 2: blue
Drag chain suitability		
Drag chain cycles		min. 10000000
Motion velocity		max. 4 m/s
Traverse distance		10 m
Acceleration		max. 4 m/s ²
Torsion cycles		min. 10 mio
Torsional stress		± 180 °/0.5 m
Cable length		100 m
Flammability		
Cable		Flame-retardant as per IEC 60332-1-2 and UL 1581, Sec. 1061
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.