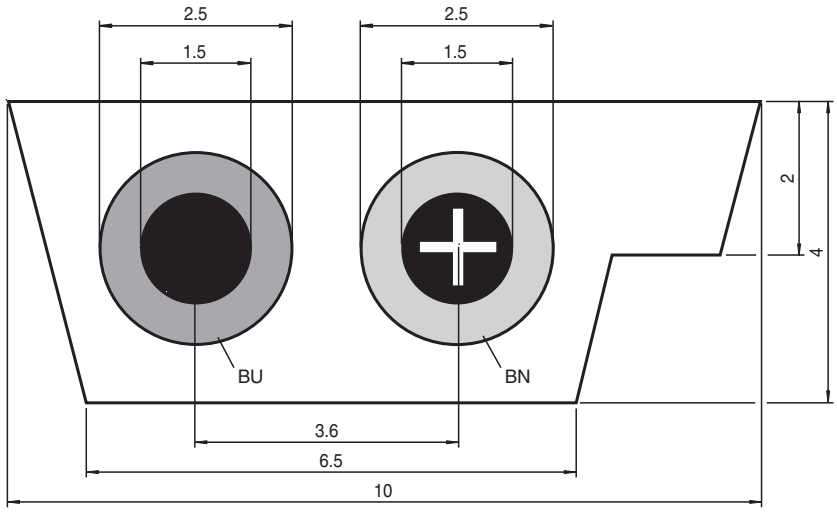


AS-Interface flat cable
VAZ-FK-R-YE-500M

- 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
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

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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/s²
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.

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