



AS-Interface flat cable

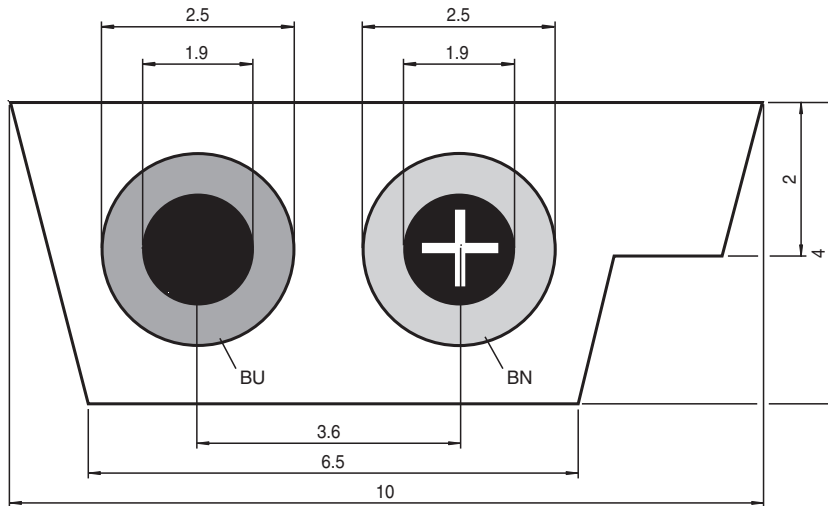
VAZ-FK-R-BK-2,5MM-500M

- 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 24 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 2.5 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	black (similar to RAL 9005)
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.