

**SERIES
72100**

ASI-Interface data transmission cables



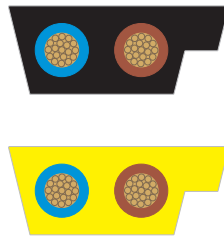
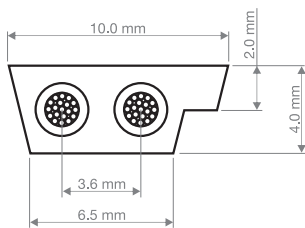
Dynamic application



Use

The AS-Interface cable is used for data transmission and power supply in decentralized automation systems. AS-i is a simple and open interface that enables the connection of sensors, actuators, and distributed I/O modules through a single two-wire backbone, significantly reducing traditional wiring.

The yellow version identifies the main AS-i line, carrying both data and power along the bus, while the black version identifies the auxiliary power cable, used solely to deliver additional power to field devices. Thanks to its special construction and distinctive flat design, the cable allows easy device positioning and fast installation.



Technical data

Characteristics	Value/property
Conductor	Extra flexible tinned copper, DIN VDE 0295 Class 6
Insulation	TPE
Conductors	Blue, Brown
Insulation diameter	2,5 mm (0.098 inch)
Jacket	PVC. Yellow or black color.
Temperature range	+90°C -20°C (installation), -30°C (fixed)
Voltage rating	300V
Voltage test	2000V @50Hz 1min
Insulation resistance	≥ 1 MOhm·km
Conductor resistance	max 13,7 Ohm/km @ 20°C
Bending radius	≥ 75 mm (dynamic), ≥ 12 mm (fixed)
Speed	240 m/min
Acceleration	4 m/s ²
Bending cycles	10.000.000 @ max. 10 m
Torsional cycles	10.000.000 @ ±180° max. 0.5 m
Standards of construction	UL/CSA: c(UL)us Type CMG, (UL) Type CL2, (UR) AWM Style 2103, (CSA) AWM II A/B, UL 758, UL 1581, UL 13, UL 444 Oil res.: UL 1581, sec. 480 Cold bend test: UL 444 (-20°C) Flame res.: UL 1581 FT1, UL 1685 FT4, IEC 60332-1-2 Other: Low Voltage Directive (LVD) 2014/35/EU, RoHS

Coding and dimensions

Code	Size [AWG]	Size [mm ²]	Weight [kg/km (lb/mft)]	Jacket color
CVFD0001_72100_NE	16	1,5	64 (43)	Black
CVFD0001_72100_GI	16	1,5	64 (43)	Yellow