



## USE OF CABLE

as fieldbus cables for ASi (Actuator Sensor Interface) systems, in the field of factory automation, for connecting devices to the lowest field level (sensors, actuators), for fixed installation & flexible applications.

Data and energy are transmitted via an unscreened, geometrically coded two-core flat cable.

Standard acc. to EN 50295 / IEC 62026



## SPECIAL FEATURES

- special geometry prevents incorrect contacting (reverse polarity protection)
- simple & quick installation without tools (piercing technology)
- oil resistant: acc. to DIN EN 60811-2-1
- UV-resistant: black versions (PVC)

## REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- LABS-/silicone-free (during production)
- EPDM-H: halogen free
- LD - Long Distance

## PRODUCT INFORMATION

Conductor material:	Copper strand tinned
Conductor class:	Super fine wire, acc. to IEC 60228 cl. 6
Core insulation:	EPDM resp. TPE
Core identification:	Blue, brown
Outer sheath:	EPDM, TPE resp. PVC
Sheath colour:	Yellow RAL 1023 (YE) or black RAL 9005 (BK)
Rated voltage:	300 V (not for high voltage purposes)
Testing voltage:	2 kV
Conductor resistance:	13,7 Ω/km - 1,5mm <sup>2</sup> ; 8,21 Ω/km 2,5 mm <sup>2</sup>
Capacity:	Nom. 80 nF/km
Min. bending radius fixed:	12 mm
Min. bending radius moved:	24 mm
Operat. temp. fixed min/max:	-40 °C / +105 °C (EPDM+TPE)   -40 °C / + 90 °C (PVC)
Operat. temp. moved min/max:	-30 °C / +105 °C (EPDM+TPE)   -20 °C / + 90 °C (PVC)
Halogen free:	Acc. to IEC 60754-1 (EPDM-H types)
Burning behavior:	TPE: FH2-25 (IEC 707), Horizontal Flame Test (UL 2556)   PVC CMG: IEC 60332-3-24(Cat.C), FT4
Resistant to oil:	Acc. to DIN EN 60811-2-1
Approvals:	UL/CSA - ASi-BUS TPE cURus 300V, 105 °C   ASi-BUS PVC cULus 300V, 90 °C, CMG

## ITEM OVERVIEW

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2003703	2 X 1,5	4,0 x 10,0	30,00	68,00	yellow	V1: ASi-BUS EPDM-H
2003704	2 X 1,5	4,0 x 10,0	30,00	68,00	black	V1: ASi-BUS EPDM-H
2003705	2 X 2,5	4,0 x 10,0	50,00	78,00	yellow	V1: ASi-BUS EPDM-H
2003706	2 X 2,5	4,0 x 10,0	50,00	78,00	black	V1: ASi-BUS EPDM-H
2003707	2 X 1,5	4,0 x 10,0	30,00	66,00	yellow	V2: ASi-BUS TPE UL/CSA - cURus - AWM
2003708	2 X 1,5	4,0 x 10,0	30,00	66,00	black	V2: ASi-BUS TPE UL/CSA - cURus - AWM
2003709	2 X 2,5	4,0 x 10,0	50,00	76,00	yellow	V2: ASi-BUS TPE UL/CSA - cURus - AWM
2003710	2 X 2,5	4,0 x 10,0	50,00	76,00	black	V2: ASi-BUS TPE UL/CSA - cURus - AWM
2003711	2 X 1,5	4,0 x 10,0	30,00	69,00	yellow	V3: ASi-BUS PVC UL/CSA - cULus - CMG
2003712	2 X 1,5	4,0 x 10,0	30,00	69,00	black	V3: ASi-BUS PVC UL/CSA - cULus - CMG