



## USE OF CABLE

Instrumentation cable for optimal, lossless transmission of analogous and digital signals in measurement and process control technology. Suitable for intrinsically safe systems zone 1 and zone 2 group II classified areas acc. IEC 60079-14. Suitable for dry and humid rooms as well as outdoor use and laying underground.



## SPECIAL FEATURES

- more steady at higher frequencies and temperatures (+90°C) by XLPE core insulation (cross-linked PE)
- high crosstalk and low cable attenuation
- largely resistant to acids, bases and usual oils; Standard EN 50288-7
- protection for high mech. requirements and magnetic shield (galvanized round or flat steel-wires, additional inner sheath)
- oil resistance: ICEA S-73-532 / NEMA WC 57-2004 § 6.9.3
- Sunlight resistance: UL 1581 Section 1200
- flame-retardant acc. IEC 60332-1-2 and IEC 60332-3-24 (Cat. C)

## REMARKS

- conform to RoHS; conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- suitable for intrinsically safe systems zone 1+2 group II acc. IEC 60079-14
- we are pleased to produce special versions e.g. fire-resistant (Mica), halogen-free, oil- and chemical-resistant (lead sheath or GuardSheath - unleaded), BS 5308, MESC etc. >> also available as compensation cable > INDUTHERM <<

## PRODUCT INFORMATION

<b>Conductor material:</b>	Bare copper strand
<b>Conductor class:</b>	7-wired construction acc. to IEC 60228 cl. 2
<b>Core insulation:</b>	XLPE (cross-linked polyethylene)
<b>Core identification:</b>	Pairs pairs: single-coloured with numerals: core A: black, core B: white; triple: single-coloured, core A: white, core B: red, core C: black, core A and C with numerals
<b>Stranding:</b>	Pairs stranded in layers
<b>Inner sheath material:</b>	PVC, black
<b>Shield3:</b>	Galvanized round or flat steel-wires (SWA)
<b>Outer sheath:</b>	PVC
<b>Sheath colour:</b>	Black or blue RAL 5015 for intrinsically safe systems
<b>Rated voltage:</b>	300 V
<b>Testing voltage:</b>	Core/core (AC/DC): 1.5 / 2 kV (duration 1 minute)
<b>Conductor resistance:</b>	0.5mm <sup>2</sup> : max.36.7 Ω/km; 0.75mm <sup>2</sup> : max.25.0 Ω/km; 1.3mm <sup>2</sup> : max.14.2 Ω/km
<b>Insulation resistance:</b>	Min. 5 GΩ x km
<b>Current-carrying-capacity:</b>	Acc. to DIN VDE, s. Techn. Guidelines
<b>Capacity:</b>	Max.115 nF/km
<b>Inductivity:</b>	Ca. 1 mH/km
<b>Coupling:</b>	Max. 500 pF/500 m
<b>Min. bending radius fixed:</b>	10 x d
<b>Operat. temp. fixed min/max:</b>	-40°C / +70°C
<b>Operat. temp. moved min/max:</b>	-5°C / +50°C
<b>Burning behavior:</b>	Self-extinguishing and flame-retardant acc. to IEC 60332-1-2 and IEC 60332-3-24 (Cat. C)
<b>Resistant to oil:</b>	ICEA S-73-532 / NEMA WC 57-2004 § 6.9.3

## 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
2001340	1 X 2 X 0,5	10,1	15,00	207,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001341	2 X 2 X 0,5	12,7	24,00	276,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001344	4 X 2 X 0,5	13,6	44,00	334,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001345	8 X 2 X 0,5	16,7	84,00	458,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001348	12 X 2 X 0,5	19,2	123,00	573,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black

# INDUCOM® RE-2X(ST)YSWAY-FL

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2001349	16 X 2 X 0,5	22,1	163,00	789,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001352	24 X 2 X 0,5	25,5	242,00	1005,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001353	1 X 2 X 0,75	10,5	17,00	222,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001356	2 X 2 X 0,75	13,4	34,00	322,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001357	4 X 2 X 0,75	14,3	64,00	383,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001360	8 X 2 X 0,75	18,2	124,00	537,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001362	12 X 2 X 0,75	21,7	184,00	813,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001364	16 X 2 X 0,75	23,7	244,00	971,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001365	24 X 2 X 0,75	27,8	364,00	1255,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001514	36 X 2 X 1	33,0	911,00	1819,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2007208	1 X 2 X 1,3	11,5	34,00	256,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001466	2 X 2 X 1,3	15,5	60,00	392,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001372	4 X 2 X 1,3	16,7	114,00	504,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001373	8 X 2 X 1,3	22,1	218,00	848,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001376	12 X 2 X 1,3	24,7	322,00	1095,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001377	16 X 2 X 1,3	28,4	426,00	1214,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001380	24 X 2 X 1,3	34,1	684,00	1632,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2003870	1 X 2 X 1,5	11,9	39,00	260,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001381	1 X 3 X 1,3	11,9	50,00	281,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL - schwarz / black
2001339	1 X 2 X 0,5	10,1	15,00	207,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001342	2 X 2 X 0,5	12,7	24,00	276,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001343	4 X 2 X 0,5	13,6	44,00	334,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001346	8 X 2 X 0,5	16,7	84,00	458,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001347	12 X 2 X 0,5	19,2	123,00	573,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001350	16 X 2 X 0,5	22,1	163,00	789,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001351	24 X 2 X 0,5	25,5	242,00	1005,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001354	1 X 2 X 0,75	10,5	17,00	222,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001355	2 X 2 X 0,75	13,4	34,00	322,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001358	4 X 2 X 0,75	14,3	64,00	383,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001359	8 X 2 X 0,75	18,2	124,00	537,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001361	12 X 2 X 0,75	21,7	184,00	813,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001363	16 X 2 X 0,75	23,7	244,00	971,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001366	24 X 2 X 0,75	27,8	364,00	1255,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001367	1 X 2 X 1,3	11,4	34,00	256,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001468	2 X 2 X 1,3	15,5	60,00	392,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001371	4 X 2 X 1,3	16,7	114,00	504,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001374	8 X 2 X 1,3	22,1	218,00	848,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001375	12 X 2 X 1,3	25,4	322,00	1095,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001378	16 X 2 X 1,3	28,4	426,00	1214,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue
2001379	24 X 2 X 1,3	34,1	684,00	1632,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue

# INDUCOM® RE-2X(ST)YSWAY-FL

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2001382	1 X 3 X 1,3	11,9	50,00	281,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL - blau / blue