



## 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
- Oil resistance: ICEA S-73-532 / NEMA WC 57-2004 § 6.9.3
- triple protection for high mechanical requirements and magnetic shield (oxidationproofed steel wire braid and additional inner sheath)
- suitable for intrinsically safe systems zone 1+2 group II acc. IEC 60079-14
- Sunlight resistance: UL 1581 Section 1200
- flame-retardant acc. IEC 60332-1 and IEC 60332-3-24 (Cat. C)

## REMARKS

- conform to RoHS, conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- 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

Conductor material:	Bare copper strand
Conductor class:	7-wired construction acc. to IEC 60228 cl. 2
Core insulation:	XLPE (cross-linked polyethylene)
Core identification:	Pairs: single-coloured with numerals: core A black, core B: white; triple: core A: white, core B: red, core C: black, core A and C with numerals
Stranding:	Pairs stranded in layers
Inner sheath material:	PVC, black
Shield3:	Steel wire braid, galvanized (SWB)
Outer sheath:	PVC
Sheath colour:	Black or blue RAL 5015 for intrinsically safe systems
Rated voltage:	300 V
Testing voltage:	1,5 kV
Conductor resistance:	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
Insulation resistance:	Min. 5 GΩ x km
Current-carrying-capacity:	Acc. to DIN VDE, s. Techn. Guidelines
Capacity:	Max.115 nF/km
Inductivity:	Ca. 1 mH/km
Coupling:	Max. 500 pF/500 m
Min. bending radius fixed:	10 x d
Operat. temp. fixed min/max:	-40°C / +70°C
Operat. temp. moved min/max:	- 5°C / +50°C
Burning behavior:	Self-extinguishing and flame-retardant acc. to IEC 60332-1-2 and IEC 60332-3-24 (Cat. C)
Resistant to oil:	ICEA S-73-532 / NEMA WC 57-2004 § 6.9.3
Standard:	EN 50288-7

## 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
2001260	1 X 2 X 0,5	9,3	15,00	136,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001262	2 X 2 X 0,5	11,9	24,00	187,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black

# INDUCOM® RE-2X(ST)YSWBY-FL

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2001263	4 X 2 X 0,5	12,8	44,00	238,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001266	8 X 2 X 0,5	15,9	84,00	335,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001267	12 X 2 X 0,5	18,4	123,00	427,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001270	16 X 2 X 0,5	20,6	163,00	511,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001271	24 X 2 X 0,5	24,0	242,00	679,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001274	1 X 2 X 0,75	9,7	17,00	146,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001481	2 X 2 X 0,75	12,6	34,00	222,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001278	4 X 2 X 0,75	13,5	64,00	272,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001491	8 X 2 X 0,75	17,4	124,00	406,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001282	12 X 2 X 0,75	20,2	184,00	534,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001283	16 X 2 X 0,75	22,2	244,00	653,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001286	24 X 2 X 0,75	26,3	364,00	879,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001287	1 X 2 X 1,3	10,7	34,00	177,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001290	2 X 2 X 1,3	14,7	60,00	282,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001467	4 X 2 X 1,3	15,9	114,00	377,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001294	8 X 2 X 1,3	20,6	218,00	563,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001295	12 X 2 X 1,3	23,9	322,00	759,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001298	16 X 2 X 1,3	26,9	426,00	979,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001300	24 X 2 X 1,3	31,9	684,00	1357,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001301	1 X 3 X 1,3	10,4	50,00	191,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL - schwarz / black
2001259	1 X 2 X 0,5	9,3	15,00	136,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001261	2 X 2 X 0,5	11,9	24,00	187,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001264	4 X 2 X 0,5	12,8	44,00	238,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001265	8 X 2 X 0,5	15,9	84,00	335,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001268	12 X 2 X 0,5	18,4	123,00	427,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001269	16 X 2 X 0,5	20,6	163,00	511,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue

# INDUCOM® RE-2X(ST)YSWBY-FL

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2001272	24 X 2 X 0,5	24,0	242,00	679,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001273	1 X 2 X 0,75	9,7	17,00	146,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001276	2 X 2 X 0,75	12,6	34,00	222,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001277	4 X 2 X 0,75	13,5	64,00	272,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001280	8 X 2 X 0,75	17,4	124,00	406,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001281	12 X 2 X 0,75	20,2	184,00	534,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001284	16 X 2 X 0,75	22,2	244,00	653,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001285	24 X 2 X 0,75	26,3	364,00	879,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001288	1 X 2 X 1,3	10,7	34,00	177,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2007291	2 X 2 X 1,3	14,7	60,00	282,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001292	4 X 2 X 1,3	15,9	114,00	377,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001293	8 X 2 X 1,3	20,6	218,00	563,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001296	12 X 2 X 1,3	23,9	322,00	759,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001297	16 X 2 X 1,3	26,9	426,00	979,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001299	24 X 2 X 1,3	31,9	684,00	1357,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue
2001302	1 X 3 X 1,3	10,4	50,00	191,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL - blau / blue