



## 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; standard EN50228-7
- triple protection for high mechanical requirements and magnetic shield (oxidation-proofed steel wire braid and additional inner sheath)
- Sunlight resistance: UL 1581 Section 1200
- flame-retardant acc. IEC60332-1-2 and IEC60332-3-24 (Cat. C)
- single element & overall shield

## 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

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
Shield:	Pairs in metal foil (PiMf) with subjacent tinned drain wire 0.6mm
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

## 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
2001304	2 X 2 X 0,5	12,4	33,00	226,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001305	4 X 2 X 0,5	13,4	62,00	279,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001308	8 X 2 X 0,5	17,2	119,00	409,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001309	12 X 2 X 0,5	19,4	176,00	533,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001312	16 X 2 X 0,5	21,8	233,00	653,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001313	24 X 2 X 0,5	25,4	348,00	932,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001316	2 X 2 X 0,75	13,2	43,00	256,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001317	4 X 2 X 0,75	14,6	82,00	336,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black

# RE-2X(ST)YSWBY-FL PIMF

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2001320	8 X 2 X 0,75	18,4	160,00	491,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001321	12 X 2 X 0,75	21,3	237,00	645,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001324	16 X 2 X 0,75	23,9	315,00	816,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001325	24 X 2 X 0,75	27,9	470,00	1136,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001328	2 X 2 X 1,3	15,4	68,00	348,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001332	8 X 2 X 1,3	21,8	239,00	655,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001333	12 X 2 X 1,3	25,4	353,00	930,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001336	16 X 2 X 1,3	28,5	468,00	1177,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001337	24 X 2 X 1,3	33,9	697,00	1604,00	black	V1: INDUCOM RE-2X(ST)YSWBY-FL PiMF - schwarz / black
2001303	2 X 2 X 0,5	12,4	33,00	226,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001306	4 X 2 X 0,5	13,4	62,00	279,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001307	8 X 2 X 0,5	17,2	119,00	409,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001310	12 X 2 X 0,5	19,4	176,00	533,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001311	16 X 2 X 0,5	21,8	233,00	653,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001314	24 X 2 X 0,5	25,4	348,00	932,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001315	2 X 2 X 0,75	13,2	43,00	256,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001318	4 X 2 X 0,75	14,6	82,00	336,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001319	8 X 2 X 0,75	18,4	160,00	491,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001322	12 X 2 X 0,75	21,3	237,00	645,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001323	16 X 2 X 0,75	23,9	315,00	816,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001326	24 X 2 X 0,75	27,9	470,00	1136,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001327	2 X 2 X 1,3	15,4	68,00	348,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001330	4 X 2 X 1,3	16,7	124,00	431,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001331	8 X 2 X 1,3	21,8	239,00	655,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001334	12 X 2 X 1,3	25,4	353,00	930,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001335	16 X 2 X 1,3	28,5	468,00	1177,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue
2001338	24 X 2 X 1,3	33,9	697,00	1604,00	blue	V2: INDUCOM RE-2X(ST)YSWBY-FL PiMf - blau / blue