



## 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. When laying in the ground the local building regulations have to be observed.



## 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
- robust version with strengthened outer sheath
- suitable for intrinsically safe systems in zone 1+2 group II acc. IEC 60079-14
- Sunlight resistance: UL 1581 Section 1200
- flame-retardant acc. to 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
- also available without strengthened outer sheath as RE-2X(St)Yv-fl
- 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: bk, core B: wh; triple: core A: wh, core B: rd, core C: bk, core A and C with numerals
Stranding:	Pairs stranded in layers
Shield3:	Plastic clad aluminium foil (24 µm) with subjacent tinned drain wire 0.5mm <sup>2</sup> (7x0.30 mm)
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; 1.0 mm <sup>2</sup> : max.18,5 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:	7,5 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
2000467	1 X 2 X 0,5	7,1	15,00	71,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000468	2 X 2 X 0,5	9,3	24,00	106,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000471	4 X 2 X 0,5	10,5	44,00	138,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000472	8 X 2 X 0,5	13,0	84,00	210,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000475	12 X 2 X 0,5	15,0	123,00	269,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000476	16 X 2 X 0,5	16,8	163,00	348,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000502	24 X 2 X 0,5	19,8	242,00	474,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003846	2 X 3 X 0,5	10,0	41,00	73,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003848	4 X 3 X 0,5	11,8	74,00	158,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2003849	8 X 3 X 0,5	15,1	137,00	259,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003852	12 X 3 X 0,5	17,7	207,00	356,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003853	16 X 3 X 0,5	19,8	266,00	498,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003856	24 X 3 X 0,5	23,4	399,00	678,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003859	2 X 3 X 0,5	10,8	55,00	126,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003860	4 X 3 X 0,5	15,2	112,00	252,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003863	8 X 3 X 0,5	17,6	209,00	361,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003864	12 X 3 X 0,5	20,7	308,00	504,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003867	16 X 3 X 0,5	23,3	405,00	896,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003868	24 X 3 X 0,5	28,1	605,00	1344,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000102	1 X 2 X 0,75	7,6	17,00	80,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000110	2 X 2 X 0,75	10,2	34,00	127,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000115	4 X 2 X 0,75	11,3	64,00	168,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000118	8 X 2 X 0,75	14,3	124,00	264,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000126	12 X 2 X 0,75	16,6	184,00	356,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000134	16 X 2 X 0,75	18,5	244,00	448,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2007296	20 X 2 X 0,75	20,4	301,00	352,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000139	24 X 2 X 0,75	22,0	364,00	620,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2001507	36 X 2 X 0,75	26,5	545,00	826,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000519	1 X 2 X 1	8,0	28,00	90,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000582	2 X 2 X 1	11,0	50,00	144,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000583	4 X 2 X 1	12,3	92,00	190,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000586	8 X 2 X 1	15,5	178,00	308,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000587	12 X 2 X 1	18,0	265,00	425,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000590	16 X 2 X 1	20,3	363,00	540,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000591	24 X 2 X 1	24,4	528,00	757,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000105	1 X 2 X 1,3	8,6	34,00	101,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000111	2 X 2 X 1,3	12,0	60,00	169,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000116	4 X 2 X 1,3	13,3	114,00	237,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000122	8 X 2 X 1,3	17,1	218,00	390,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000129	12 X 2 X 1,3	20,0	322,00	539,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000136	16 X 2 X 1,3	22,6	426,00	690,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000145	24 X 2 X 1,3	27,2	684,00	965,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003627	1 X 2 X 1,5	9,0	39,00	103,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003833	2 X 2 X 1,5	12,7	72,00	173,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003834	4 X 2 X 1,5	14,0	135,00	273,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003837	8 X 2 X 1,5	18,2	264,00	450,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003838	12 X 2 X 1,5	21,4	392,00	622,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003841	16 X 2 X 1,5	24,5	525,00	797,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2003842	24 X 2 X 1,5	29,1	781,00	1113,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2001498	1 X 3 X 0,5	7,5	23,00	73,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2001443	1 X 3 X 0,75	7,9	32,00	105,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black
2000107	1 X 3 X 1,3	8,9	50,00	110,00	black	V1: INDUCOM RE-2X(ST)Yv-FL - schwarz / black

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2000466	1 X 2 X 0,5	7,1	15,00	71,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000469	2 X 2 X 0,5	9,3	24,00	106,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000470	4 X 2 X 0,5	10,5	44,00	138,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000473	8 X 2 X 0,5	13,2	84,00	210,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000474	12 X 2 X 0,5	15,3	123,00	269,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000477	16 X 2 X 0,5	17,1	163,00	348,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000484	24 X 2 X 0,5	20,1	242,00	474,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003845	2 X 3 X 0,5	10,0	41,00	73,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003847	4 X 3 X 0,5	11,8	74,00	158,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003850	8 X 3 X 0,5	15,1	137,00	259,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003851	12 X 3 X 0,5	17,7	207,00	356,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003854	16 X 3 X 0,5	19,8	266,00	498,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003855	24 X 3 X 0,5	23,4	399,00	678,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000104	1 X 2 X 0,75	7,6	17,00	80,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000109	2 X 2 X 0,75	10,2	34,00	127,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000114	4 X 2 X 0,75	11,3	64,00	168,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000119	8 X 2 X 0,75	14,3	124,00	264,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000125	12 X 2 X 0,75	16,6	184,00	356,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000132	16 X 2 X 0,75	18,5	244,00	448,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2007297	20 X 2 X 0,75	20,4	301,00	352,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000140	24 X 2 X 0,75	22,0	364,00	620,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003857	1 X 3 X 0,75	7,9	32,00	105,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003858	2 X 3 X 0,75	10,8	55,00	126,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003861	4 X 3 X 0,75	15,2	112,00	252,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003862	8 X 3 X 0,75	17,6	209,00	361,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003865	12 X 3 X 0,75	20,7	308,00	672,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003866	16 X 3 X 0,75	23,3	405,00	896,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003869	24 X 3 X 0,75	28,1	605,00	1344,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2007295	10 X 3 X 1	19,4	296,00	530,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000524	1 X 2 X 1	8,0	28,00	90,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000533	2 X 2 X 1	11,0	50,00	144,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000584	4 X 2 X 1	12,3	92,00	190,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000585	8 X 2 X 1	15,5	178,00	308,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000588	12 X 2 X 1	18,0	265,00	425,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000589	16 X 2 X 1	22,1	363,00	540,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000592	24 X 2 X 1	24,4	528,00	757,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000106	1 X 2 X 1,3	8,6	34,00	101,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000112	2 X 2 X 1,3	12,0	60,00	169,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000117	4 X 2 X 1,3	13,3	114,00	237,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000124	8 X 2 X 1,3	17,1	218,00	390,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000131	12 X 2 X 1,3	20,0	322,00	539,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000137	16 X 2 X 1,3	22,6	426,00	690,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000141	24 X 2 X 1,3	27,2	684,00	965,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2003831	1 X 2 X 1,5	9,0	39,00	103,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003832	2 X 2 X 1,5	12,7	72,00	173,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003835	4 X 2 X 1,5	14,0	135,00	273,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003836	8 X 2 X 1,5	18,2	264,00	450,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003839	12 X 2 X 1,5	21,4	392,00	622,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003840	16 X 2 X 1,5	24,5	525,00	797,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003843	24 X 2 X 1,5	29,1	781,00	1113,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2003844	1 X 3 X 0,5	7,5	23,00	73,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue
2000108	1 X 3 X 1,3	8,9	50,00	110,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL - blau / blue