



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
- single element & overall shield
- largely resistant to acids, bases and usual oils
- 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

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 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
Stranding:	Pairs stranded in layers
Shield:	Pairs in metal foil (PIMf) with subjacent tinned drain wire 0.6mm
Inner sheath material:	PVC, black
Shield3:	Galvanized round or flat steel-wires (SWA)
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 ² :max.36.7 Ω/km;0.75mm ² :max.25.0 Ω/km;1.3mm ² :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 ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2001384	2 X 2 X 0,5	13,2	33,00	312,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001385	4 X 2 X 0,5	14,2	62,00	375,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black

INDUCOM® RE-2X(ST)YSWAY-FL PIMF

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2001388	8 X 2 X 0,5	18,0	119,00	543,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001389	12 X 2 X 0,5	20,9	176,00	817,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001392	16 X 2 X 0,5	23,3	233,00	980,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001393	24 X 2 X 0,5	26,9	348,00	1164,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001396	2 X 2 X 0,75	14,0	43,00	362,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001397	4 X 2 X 0,75	15,4	82,00	459,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001400	8 X 2 X 0,75	19,2	160,00	648,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001401	12 X 2 X 0,75	22,8	237,00	973,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001404	16 X 2 X 0,75	25,4	315,00	1159,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001405	24 X 2 X 0,75	29,4	470,00	1402,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001474	2 X 2 X 1,3	16,2	68,00	462,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2007221	4 X 2 X 1,3	18,0	124,00	578,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001475	8 X 2 X 1,3	23,3	239,00	993,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2007220	12 X 2 X 1,3	26,9	353,00	1165,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001416	16 X 2 X 1,3	30,0	468,00	1439,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001417	24 X 2 X 1,3	36,1	697,00	1910,00	black	V1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2003871	2 X 3 X 0,75	14,5	58,00	377,00	black	V1.1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2003872	8 X 3 X 0,75	22,6	218,00	707,00	black	V1.1: INDUCOM RE-2X(ST)YSWAY-FL PiMf - schwarz / black
2001383	2 X 2 X 0,5	13,2	33,00	312,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001386	4 X 2 X 0,5	14,2	62,00	375,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001387	8 X 2 X 0,5	18,0	119,00	543,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001390	12 X 2 X 0,5	20,9	176,00	817,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001391	16 X 2 X 0,5	23,3	233,00	980,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001394	24 X 2 X 0,5	26,9	348,00	1164,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001395	2 X 2 X 0,75	14,0	43,00	362,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001398	4 X 2 X 0,75	15,4	82,00	459,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue

INDUCOM® RE-2X(ST)YSWAY-FL PIMF

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2001399	8 X 2 X 0,75	19,2	160,00	648,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001402	12 X 2 X 0,75	22,8	237,00	973,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001403	16 X 2 X 0,75	25,4	315,00	1159,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001406	24 X 2 X 0,75	29,4	470,00	1402,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001482	2 X 2 X 1,3	16,2	68,00	462,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001410	4 X 2 X 1,3	18,0	124,00	578,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001411	8 X 2 X 1,3	23,3	239,00	993,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001414	12 X 2 X 1,3	26,9	353,00	1165,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001415	16 X 2 X 1,3	30,0	468,00	1439,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue
2001418	24 X 2 X 1,3	36,1	697,00	1910,00	blue	V2: INDUCOM RE-2X(ST)YSWAY-FL PiMf - blau / blue