



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
- single element & overall shield
- 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 zone 1+2 group II acc. IEC 60079-14
- 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
- also available without strengthened outer sheath as RE-2X(St)Y-fl PIMF
- 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 class 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
Shield3:	Plastic clad aluminium foil (24 µm) with subjacent tinned drain wire 0.5mm ² (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 ² : max.36.7Ω/km; 0.75mm ² : max.25.0Ω/km; 1.3mm ² : max.14.2Ω/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:	Capacitive coupling: max. 500pF/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 ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2001238	2 X 2 X 0,5	10,0	33,00	127,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001239	4 X 2 X 0,5	11,1	62,00	167,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001242	8 X 2 X 0,5	13,9	119,00	265,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001243	12 X 2 X 0,5	16,1	176,00	350,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001246	16 X 2 X 0,5	18,0	233,00	439,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001463	24 X 2 X 0,5	21,3	348,00	608,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2000303	2 X 2 X 0,75	10,8	43,00	145,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2000311	4 X 2 X 0,75	12,1	82,00	196,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black

RE-2X(ST)Yv-fl PIMF

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2000316	8 X 2 X 0,75	15,2	160,00	318,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2000321	12 X 2 X 0,75	17,8	237,00	426,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2000331	16 X 2 X 0,75	19,8	315,00	538,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2000377	24 X 2 X 0,75	23,7	470,00	754,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001247	2 X 2 X 1	11,6	54,00	165,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001250	4 X 2 X 1	13,0	103,00	228,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001252	8 X 2 X 1	16,5	202,00	376,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001254	12 X 2 X 1	19,3	301,00	512,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001255	16 X 2 X 1	21,6	400,00	648,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001258	24 X 2 X 1	26,1	598,00	918,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2000307	2 X 2 X 1,3	12,5	68,00	189,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2000312	4 X 2 X 1,3	14,1	124,00	268,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2000318	8 X 2 X 1,3	18,1	239,00	452,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2000327	12 X 2 X 1,3	21,2	353,00	616,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2000336	16 X 2 X 1,3	24,1	468,00	788,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2000385	24 X 2 X 1,3	28,9	697,00	1120,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001503	8 X 3 X 0,75	17,6	223,00	389,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001504	12 X 3 X 0,75	20,7	333,00	533,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001505	16 X 3 X 0,75	23,3	444,00	681,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001506	24 X 3 X 0,75	28,1	617,00	955,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001517	2 X 3 X 1,3	13,4	84,00	228,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001490	12 X 3 X 1,3	25,5	517,00	855,00	black	V1: INDUCOM RE-2X(ST)Yv-FL PiMf - schwarz / black
2001237	2 X 2 X 0,5	10,0	33,00	127,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2001240	4 X 2 X 0,5	11,1	62,00	167,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2001241	8 X 2 X 0,5	13,9	119,00	265,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2001244	12 X 2 X 0,5	16,1	176,00	350,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2001245	16 X 2 X 0,5	18,0	233,00	439,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2001464	24 X 2 X 0,5	21,3	348,00	608,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2000304	2 X 2 X 0,75	10,8	43,00	145,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2000308	4 X 2 X 0,75	12,1	82,00	196,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2000315	8 X 2 X 0,75	15,2	160,00	318,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2000322	12 X 2 X 0,75	17,8	237,00	426,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2000329	16 X 2 X 0,75	19,8	315,00	538,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2000379	24 X 2 X 0,75	23,7	470,00	754,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2001248	2 X 2 X 1	11,6	54,00	165,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2001249	4 X 2 X 1	13,0	103,00	228,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2001251	8 X 2 X 1	16,5	202,00	376,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2001253	12 X 2 X 1	19,3	301,00	512,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2001256	16 X 2 X 1	21,6	400,00	648,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2001257	24 X 2 X 1	26,1	598,00	918,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2000306	2 X 2 X 1,3	12,5	68,00	189,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2000313	4 X 2 X 1,3	14,1	124,00	268,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue
2003448	6 X 2 X 1,3	17,3	178,00	330,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PiMf - blau / blue

RE-2X(St)Yv-fl PIMF

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2000317	8 X 2 X 1,3	18,1	239,00	452,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PIMf - blau / blue
2000328	12 X 2 X 1,3	21,2	353,00	616,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PIMf - blau / blue
2000376	16 X 2 X 1,3	24,1	468,00	788,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PIMf - blau / blue
2000382	24 X 2 X 1,3	28,9	697,00	1120,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PIMf - blau / blue
2007268	8 X 3 X 1	19,0	280,00	490,00	blue	V2: INDUCOM RE-2X(ST)Yv-FL PIMf - blau / blue