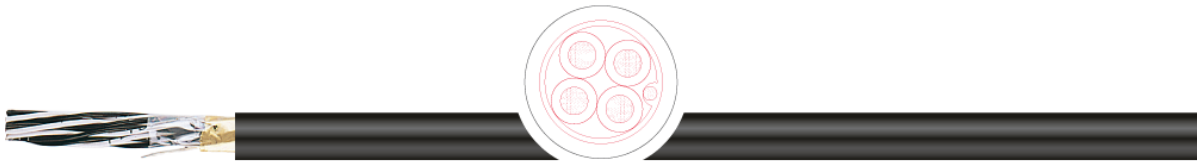




300V, shielded, +90C, EN50288-7, CPR Eca

**APPLICATION**

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)

PRODUCT DETAILS**DESIGN**

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
Overall shield	plastic clad aluminium foil (24 µm) with subjacent tinned drain wire 0.5mm ² (7x0.30 mm)
Outer sheath material	PVC
Sheath colour	black or blue RAL 5015 for intrinsically safe systems

ELECTRICAL PROPERTIES

Rated voltage AC IEC	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; 1.0 mm ² : max.18,5 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

MECHANICAL & DYNAMIC PROPERTIES

Min. bending radius fixed	7.5 x d
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THERMAL PROPERTIES

Operat. temp. fixed min./max. [°C]	-40°C / +70°C
Operat. temp. moved min/max [°C]	- 5°C / +50°C

PROPERTIES IN CASE OF FIRE

Burning behavior	self-extinguishing and flame-retardant acc. to IEC 60332-1-2 and IEC 60332-3-24 (Cat. C)
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STANDARDS & APPROVALS

Standard	EN 50288-7
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ITEM OVERVIEW

INDUCOM RE-2X(ST)Yv-FL - schwarz / black

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
2000467	1 X 2 X 0,5	7,1	15,0	71,0
2000468	2 X 2 X 0,5	9,3	24,0	106,0
2000471	4 X 2 X 0,5	10,5	44,0	138,0
2000472	8 X 2 X 0,5	13,0	84,0	210,0
2000475	12 X 2 X 0,5	15,0	123,0	269,0
2000476	16 X 2 X 0,5	16,8	163,0	348,0
2000502	24 X 2 X 0,5	19,8	242,0	474,0
2003846	2 X 3 X 0,5	10,0	41,0	73,0
2003848	4 X 3 X 0,5	11,8	74,0	158,0
2003849	8 X 3 X 0,5	15,1	137,0	259,0
2003852	12 X 3 X 0,5	17,7	207,0	356,0
2003853	16 X 3 X 0,5	19,8	266,0	498,0
2003856	24 X 3 X 0,5	23,4	399,0	678,0
2003859	2 X 3 X 0,5	10,8	55,0	126,0
2003860	4 X 3 X 0,5	15,2	112,0	252,0
2003863	8 X 3 X 0,5	17,6	209,0	361,0
2003864	12 X 3 X 0,5	20,7	308,0	504,0
2003867	16 X 3 X 0,5	23,3	405,0	896,0
2003868	24 X 3 X 0,5	28,1	605,0	1.344,0
2000102	1 X 2 X 0,75	7,6	17,0	80,0
2000110	2 X 2 X 0,75	10,2	34,0	127,0
2000115	4 X 2 X 0,75	11,3	64,0	168,0
2000118	8 X 2 X 0,75	14,3	124,0	264,0
2000126	12 X 2 X 0,75	16,6	184,0	356,0
2000134	16 X 2 X 0,75	18,5	244,0	448,0
2007296	20 X 2 X 0,75	20,4	301,0	352,0
2000139	24 X 2 X 0,75	22,0	364,0	620,0
2001507	36 X 2 X 0,75	26,5	545,0	826,0
2000519	1 X 2 X 1	8,0	28,0	90,0
2000582	2 X 2 X 1	11,0	50,0	144,0
2000583	4 X 2 X 1	12,3	92,0	190,0
2000586	8 X 2 X 1	15,5	178,0	308,0
2000587	12 X 2 X 1	18,0	265,0	425,0
2000590	16 X 2 X 1	20,3	363,0	540,0
2000591	24 X 2 X 1	24,4	528,0	757,0
2000105	1 X 2 X 1,3	8,6	34,0	101,0
2000111	2 X 2 X 1,3	12,0	60,0	169,0
2000116	4 X 2 X 1,3	13,3	114,0	237,0
2000122	8 X 2 X 1,3	17,1	218,0	390,0
2000129	12 X 2 X 1,3	20,0	322,0	539,0
2000136	16 X 2 X 1,3	22,6	426,0	690,0
2000145	24 X 2 X 1,3	27,2	684,0	965,0
2003627	1 X 2 X 1,5	9,0	39,0	103,0
2003833	2 X 2 X 1,5	12,7	72,0	173,0
2003834	4 X 2 X 1,5	14,0	135,0	273,0
2003837	8 X 2 X 1,5	18,2	264,0	450,0
2003838	12 X 2 X 1,5	21,4	392,0	622,0
2003841	16 X 2 X 1,5	24,5	525,0	797,0
2003842	24 X 2 X 1,5	29,1	781,0	1.113,0
2001498	1 X 3 X 0,5	7,5	23,0	73,0

INDUCOM RE-2X(ST)Yv-FL - schwarz / black

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
2001443	1 X 3 X 0,75	7,9	32,0	105,0
2000107	1 X 3 X 1,3	8,9	50,0	110,0

INDUCOM RE-2X(ST)Yv-FL - blau / blue

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
2000466	1 X 2 X 0,5	7,1	15,0	71,0
2000469	2 X 2 X 0,5	9,3	24,0	106,0
2000470	4 X 2 X 0,5	10,5	44,0	138,0
2000473	8 X 2 X 0,5	13,2	84,0	210,0
2000474	12 X 2 X 0,5	15,3	123,0	269,0
2000477	16 X 2 X 0,5	17,1	163,0	348,0
2000484	24 X 2 X 0,5	20,1	242,0	474,0
2003845	2 X 3 X 0,5	10,0	41,0	73,0
2003847	4 X 3 X 0,5	11,8	74,0	158,0
2003850	8 X 3 X 0,5	15,1	137,0	259,0
2003851	12 X 3 X 0,5	17,7	207,0	356,0
2003854	16 X 3 X 0,5	19,8	266,0	498,0
2003855	24 X 3 X 0,5	23,4	399,0	678,0

2000104	1 X 2 X 0,75	7,6	17,0	80,0
2000109	2 X 2 X 0,75	10,2	34,0	127,0
2000114	4 X 2 X 0,75	11,3	64,0	168,0
2000119	8 X 2 X 0,75	14,3	124,0	264,0
2000125	12 X 2 X 0,75	16,6	184,0	356,0
2000132	16 X 2 X 0,75	18,5	244,0	448,0
2007297	20 X 2 X 0,75	20,4	301,0	352,0
2000140	24 X 2 X 0,75	22,0	364,0	620,0
2003857	1 X 3 X 0,75	7,9	32,0	105,0
2003858	2 X 3 X 0,75	10,8	55,0	126,0
2003861	4 X 3 X 0,75	15,2	112,0	252,0
2003862	8 X 3 X 0,75	17,6	209,0	361,0
2003865	12 X 3 X 0,75	20,7	308,0	672,0
2003866	16 X 3 X 0,75	23,3	405,0	896,0
2003869	24 X 3 X 0,75	28,1	605,0	1.344,0
2007295	10 X 3 X 1	19,4	296,0	530,0

2000524	1 X 2 X 1	8,0	28,0	90,0
2000533	2 X 2 X 1	11,0	50,0	144,0
2000584	4 X 2 X 1	12,3	92,0	190,0
2000585	8 X 2 X 1	15,5	178,0	308,0
2000588	12 X 2 X 1	18,0	265,0	425,0
2000589	16 X 2 X 1	22,1	363,0	540,0
2000592	24 X 2 X 1	24,4	528,0	757,0

2000106	1 X 2 X 1,3	8,6	34,0	101,0
2000112	2 X 2 X 1,3	12,0	60,0	169,0
2000117	4 X 2 X 1,3	13,3	114,0	237,0
2000124	8 X 2 X 1,3	17,1	218,0	390,0
2000131	12 X 2 X 1,3	20,0	322,0	539,0
2000137	16 X 2 X 1,3	22,6	426,0	690,0
2000141	24 X 2 X 1,3	27,2	684,0	965,0
2003831	1 X 2 X 1,5	9,0	39,0	103,0
2003832	2 X 2 X 1,5	12,7	72,0	173,0
2003835	4 X 2 X 1,5	14,0	135,0	273,0
2003836	8 X 2 X 1,5	18,2	264,0	450,0
2003839	12 X 2 X 1,5	21,4	392,0	622,0
2003840	16 X 2 X 1,5	24,5	525,0	797,0
2003843	24 X 2 X 1,5	29,1	781,0	1.113,0
2003844	1 X 3 X 0,5	7,5	23,0	73,0

2000108	1 X 3 X 1,3	8,9	50,0	110,0
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