

# FRNC control cable HSLH-JZ/-OZ/-JB



**Application:** Halogen-free and LSOH control cable for multiple purposes in control and measurement circuits indoors. The cable is to a large extent resistant to oil and grease.

## Construction and technical data:

<b>CPR-classification according to EN 50575:</b>	Dca
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	FRNC-compound HI2
<b>Sheathing material:</b>	FRNC-compound HM2
<b>Colour of outer sheath:</b>	grey RAL 7001
<b>Flame-retardant:</b>	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
<b>Smoke density:</b>	DIN EN 61034/IEC 61034
<b>Halogen-free:</b>	DIN EN 50267/IEC 60754
<b>Max. temperature at conductor, °C:</b>	70 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-30 - +70 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-5 - +70 °C
<b>Bending radius, fixed installation:</b>	5 x Ø
<b>Bending radius, moving application:</b>	10 x Ø



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

**HSLH-JZ****Nominal voltage U<sub>o</sub>:** 300 V**Nominal voltage U:** 500 V**Test voltage:** 2 kV**Protective conductor:** yes**Core identification:** green-yellow + numbers

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
036155	03X0.5	39	5.7	14.4	43
036156	04X0.5	39	6.2	19.2	54
036157	05X0.5	39	6.6	24	65
036158	07X0.5	39	7.2	33.6	82
036159	10X0.5	39	9.1	48	119
037704	12X0.5	39	9.1	57.6	133
036160	10X0.75	26	10.1	72	162
031620	03X0.75	26	6	22	66
031621	04X0.75	26	6.5	29	78
031622	05X0.75	26	7	36	91
031623	07X0.75	26	7.5	50.4	124
031624	12X0.75	26	10.2	86.4	191
031625	18X0.75	26	11.9	130	283
031626	25X0.75	26	14.6	180	388
032945	34X0.75	26	16.4	245	641
032946	37X0.75	26	17.2	266	795
032947	41X0.75	26	17.6	296	800
032948	42X0.75	26	17.8	302	715
032949	50X0.75	26	19.8	360	815
032950	61X0.75	26	20.9	439	1028
031627	03X1	19.5	6.4	29	68
031628	04X1	19.5	7	38.4	85
031629	05X1	19.5	7.8	48	110
031630	07X1	19.5	8.1	67	148
032951	08X1	19.5	9.4	77	200
032953	10X1	19.5	10.4	96	245
031631	12X1	19.5	11.1	115.2	232
032954	16X1	19.5	12	154	363
031632	18X1	19.5	13.4	173	328
032955	20X1	19.5	13.5	192	438
031633	25X1	19.5	16.2	240	531
032956	34X1	19.5	17.4	326	688
032957	37X1	19.5	18.4	355	833
032958	41X1	19.5	18.9	394	925
032959	42X1	19.5	18.9	403	835
032960	50X1	19.5	21	480	978
032961	61X1	19.5	22.2	586	1140
032962	65X1	19.5	22.8	628	1304
031634	03X1.5	13.3	7.3	43.2	95
031635	04X1.5	13.3	7.8	58	117
031636	05X1.5	13.3	8.9	72	152
031637	07X1.5	13.3	9.8	101	192
032964	08X1.5	13.3	10.6	115	278
032965	10X1.5	13.3	11.7	144	309
031638	12X1.5	13.3	13.2	173	312
032966	16X1.5	13.3	13.8	230	415
031639	18X1.5	13.3	15.9	259.2	456

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
032967	20X1.5	13.3	15.2	288	585
031640	25X1.5	13.3	17.2	360	638
032968	34X1.5	13.3	19.8	490	890
032969	37X1.5	13.3	20.2	533	1140
032970	50X1.5	13.3	23.7	720	1410
032971	61X1.5	13.3	25.3	878	1630
032972	65X1.5	13.3	26	936	1810
031648	03X2.5	7.98	9	72	148
031649	04X2.5	7.98	10	96	236
031650	05X2.5	7.98	11	120	263
031651	07X2.5	7.98	12.7	168	298
032973	08X2.5	7.98	13.2	192	378
032974	10X2.5	7.98	14.7	240	444
031645	12X2.5	7.98	16.5	288	522
032975	16X2.5	7.98	17.5	384	730
031646	18X2.5	7.98	18.4	432	749
032976	20X2.5	7.98	18.7	480	1070
031647	25X2.5	7.98	23.8	600	1024
032977	30X2.5	7.98	23.7	720	1280
031660	03X4	4.95	11.8	115.2	235
032654	04X4	4.95	11.7	154	305
031661	05X4	4.95	13.2	192	363
032979	07X4	4.95	16	269	468
032980	08X4	4.95	17.8	307	603
032981	10X4	4.95	19.6	384	798
032982	12X4	4.95	20.2	461	984
032983	16X4	4.95	22.8	614	1350
032986	03X6	3.3	12.7	173	390
032655	04X6	3.3	14.1	230.4	465
031662	05X6	3.3	16.5	288	583
032987	07X6	3.3	17.6	403.2	782
032989	03X10	1.91	16.2	288	750
032990	04X10	1.91	18	384	746
032991	05X10	1.91	19.8	480	917
032992	07X10	1.91	22.5	672	1283
032994	03X16	1.21	18.7	461	998
032995	04X16	1.21	20.6	614	1089
032996	05X16	1.21	23.5	768	1285
032997	07X16	1.21	26.2	1075	1835
032998	03X25	0.78	24.5	720	1238
031663	04X25	0.78	26	960	1582
032999	05X25	0.78	30.8	1200	1920
033000	03X35	0.554	29.8	1008	1664
033001	04X35	0.554	33.7	1344	1980
033002	05X35	0.554	37.7	1680	2765
033003	03X50	0.386	33.8	1440	2678
033004	04X50	0.386	38	1920	2824
033005	05X50	0.386	42.1	2400	4133
033006	03X70	0.272	40.2	2016	3339
033007	04X70	0.272	44.2	2688	4295
033008	05X70	0.272	48.5	3360	5715
033009	03X95	0.206	46.6	2736	4914
033010	04X95	0.206	51.2	3648	5817
033011	05X95	0.206	56.3	4560	7278
033012	03X120	0.161	49.8	3456	5515
033013	04X120	0.161	54.8	4608	7350

## HSLH-OZ

<b>Nominal voltage U<sub>o</sub>:</b>	300 V
<b>Nominal voltage U:</b>	500 V
<b>Test voltage:</b>	2 kV
<b>Protective conductor:</b>	no
<b>Core identification:</b>	numbers

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
034935	02X0.5	39	5.1	9.6	38
032885	02X0.75	26	5.5	14.4	33
032952	02X1	19.5	5.7	19.2	58
037400	03X1	19.5	6.1	28.8	68
032963	02X1.5	13.3	6.3	29	87
032939	02X2.5	7.98	7.7	48	124
032978	02X4	4.95	9.8	77	195
032985	02X6	3.3	12	115.2	258
032988	02X10	1.91	15	192	490
032993	02X16	1.21	17.3	307	665

## HSLH-JB

<b>Nominal voltage U<sub>o</sub>:</b>	300 V
<b>Nominal voltage U:</b>	500 V
<b>Test voltage:</b>	2 kV
<b>Protective conductor:</b>	yes
<b>Core identification:</b>	colours acc. to VDE 0293 (HD308)

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
035902	03X1	19.5	6.4	29	68
035111	03X1.5	13.3	8.6	44	111
037110	04X1.5	13.3	7.8	58	117
035112	05X1.5	13.3	10.6	72	183
035113	03X2.5	7.98	10.5	72	183
036461	05X2.5	7.98	11	120	263
038374	05X4	4.95	13.2	192	363
037111	05X6	3.3	16.5	288	583
038375	05X10	1.91	19.8	480	917
038376	05X16	1.21	23.5	768	1285

RI	Conductor resistance
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000