HSLCH-JZ



Application

Halogen-free, flame retardant control cables are used for instru- mentation and control cables in tooling machinery, conveyor and transportation belts, production lines, in plant construction, air-conditioning systems as well as in iron and steel works.
For fixed installation or for flexing applications, for casual, not constantly recurring free movement without forced motion and without tensile stress for medium mechanical loads. The cable is suitable for use in dry, damp and wet environments for instal- lation above, on, in and beneath plaster as well as in masonry and concrete walls except for direct embedding in vibrated, compacted or tamped concrete, not suitable for imbedding in solidified or compressed concrete.

Standards

adapted to DIN EN 50525-3-11 VDE 0285-525-3-11:2012-01, IEC 60228, DIN EN IEC 60332-3-24 VDE 0482-332-3-24:2019-05, DIN EN 50363-0

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

Construction

Inner Conductor	fine-stranded bare copper acc. DIN VDE 0295 cl. 5 / IEC 60228 cl. 5
Core Insulation	halogen-free special compound TI6
Core Color	black cores with continuous white numbering according to DIN VDE 0293 green-yellow earth core in the outer layer (3 cores and above)
Stranding Elements	cores laid up in layers with optimal lay-length
Inner Sheath Material	separating layer
Overall Shielding	screen braid of tinned copper wires
Outer Insulation Material	halogen-free spezial compound TM7

Application

Halogen-free, flame retardant control cables are used for instru- mentation and control cables in tooling machinery, conveyor and transportation belts, production lines, in plant construction, air-conditioning systems as well as in iron and steel works.
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Steuerleitungen
Control Cables

Technical Data

Nominal Voltage	U_0/U: 300 /500 V
Nominal Volatage DC	U_0/U: 0 /0
Test Voltage	2000 V
Bending Radius fixed (xD)	10
Operating Temperature solid	-40 °C bis 70 °C
Operating Temperature moving	-5 °C bis 70 °C
Short Circuit Temperature	160 °C
Short Circuit Duration	5 sek.
Fire Classes	Eca, Cca, B2ca

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Steuerleitungen
Control Cables

Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
01915046	JZ	3 x 0,5	grey - grey	56,0	6,0
01915012	JZ	3 x 0,75	grey - grey	68,0	7,0
01915025	JZ	3 x 1	grey - grey	88,0	7,2
01915001	JZ	3 x 1,5	grey - grey	100,0	8,3
01915018	JZ	3 x 2,5	grey - grey	157,0	10,0
01915067	JZ	3 x 4	grey - grey	238,0	10,6
01915069	JZ	3 x 6	grey - grey	328,0	12,5
01915017	JZ	3 x 10	grey - grey	495,0	16,8
01915048	JZ	4 x 0,5	grey - grey	62,0	6,5
01915007	JZ	4 x 0,75	grey - grey	76,0	7,6
01915010	JZ	4 x 1	grey - grey	100,0	7,9
01915021	JZ	4 x 1,5	grey - grey	141,0	9,0
01915015	JZ	4 x 2,5	grey - grey	201,0	11,0
01915036	JZ	4 x 4	grey - grey	291,0	12,4
01915016	JZ	4 x 6	grey - grey	416,0	14,9
01915037	JZ	4 x 10	grey - grey	685,0	18,6
01915035	JZ	4 x 16	grey - grey	882,0	21,8
01915044	JZ	4 x 25	grey - grey	1.443,0	26,2
01915041	JZ	4 x 35	grey - grey	2.542,0	32,5
01915075	JZ	4 x 50	grey - grey	3.550,0	34,6
01915092	JZ	4 x 70	grey - grey	4.939,0	41,1
01915050	JZ	4 x 95	grey - grey	6.690,0	46,2
01915108	JZ	4 x 120	grey - grey	8.453,0	50,1
01915049	JZ	5 x 0,5	grey - grey	75,0	7,0

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01915008	JZ	5 x 0,75	grey - grey	98,0	8,6
01915009	JZ	5 x 1	grey - grey	124,0	8,5
01915003	JZ	5 x 1,5	grey - grey	146,0	9,7
01915019	JZ	5 x 2,5	grey - grey	248,0	12,0
01915096	JZ	5 x 2,5	black - black	248,0	12,0
01915034	JZ	5 x 4	grey - grey	364,0	13,8
01915031	JZ	5 x 6	grey - grey	510,0	16,4
01915043	JZ	5 x 10	grey - grey	824,0	17,8
01915066	JZ	5 x 16	grey - grey	1.293,0	22,9
01915039	JZ	5 x 25	grey - grey	2.414,0	31,8
01915051	JZ	5 x 35	grey - grey	3.180,0	33,8
01915045	JZ	7 x 0,5	grey - grey	98,0	7,9
01915004	JZ	7 x 0,75	grey - grey	118,0	9,3
01915026	JZ	7 x 1	grey - grey	155,0	9,5
01915002	JZ	7 x 1,5	grey - grey	188,0	10,5
01915020	JZ	7 x 2,5	grey - grey	306,0	13,0
01915047	JZ	7 x 4	grey - grey	504,0	14,0
01915053	JZ	7 x 6	grey - grey	670,0	16,6
01915005	JZ	12 x 0,5	grey - grey	142,0	10,6
01915022	JZ	12 x 0,75	grey - grey	211,0	11,5
01915006	JZ	12 x 1	grey - grey	257,0	12,0
01915014	JZ	12 x 1,5	grey - grey	323,0	13,0
01915052	JZ	12 x 2,5	grey - grey	499,0	15,9
01915077	JZ	18 x 0,5	grey - grey	216,0	11,6

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01915023	JZ	18 x 0,75	grey - grey	307,0	13,0
01915027	JZ	18 x 1	grey - grey	332,0	14,0
01915029	JZ	18 x 1,5	grey - grey	517,0	15,0
01915024	JZ	25 x 0,75	grey - grey	413,0	15,0
01915028	JZ	25 x 1	grey - grey	460,0	16,0
01915030	JZ	25 x 1,5	grey - grey	705,0	18,0

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