HSLCH-OZ



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
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

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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.
01915038	OZ	2 x 0,5	grey - grey	46,0	6,0
01915032	OZ	2 x 0,75	grey - grey	55,0	6,6
01915011	OZ	2 x 1	grey - grey	67,0	6,9
01915013	OZ	2 x 1,5	grey - grey	69,0	7,4
01915042	JZ	2 x 2,5	grey - grey	132,0	8,6
01915070	OZ	2 x 4	grey - grey	184,0	9,8
01915109	OZ	2 x 6	grey - grey	270,0	11,7
01915084	OZ	3 x 0,75	grey - grey	68,0	7,0
02270002	OZ	3 x 1	grey - grey	88,0	7,2
01915078	OZ	3 x 1,5	grey - grey	100,0	8,3
01915081	OZ	3 x 2,5	grey - grey	157,0	10,0
01915040	OZ	4 x 0,75	grey - grey	76,0	7,6
02268065		4 x 0,75	blue (similar RAL 5015) - blue (similar RAL 5015)	76,0	7,6
01915076	OZ	4 x 1	grey - grey	100,0	7,9
01915079	OZ	4 x 1,5	grey - grey	141,0	9,0
01915085	OZ	5 x 0,75	grey - grey	98,0	8,6
01915080	OZ	5 x 1,5	grey - grey	146,0	9,7
01915082	OZ	5 x 2,5	grey - grey	248,0	12,0
01915086	OZ	7 x 0,75	grey - grey	118,0	9,3
01915072	OZ	7 x 1,5	grey - grey	188,0	10,5
01915083	OZ	7 x 2,5	grey - grey	306,0	13,0
01915087	OZ	12 x 0,75	grey - grey	211,0	11,5
01915073	OZ	12 x 1,5	grey - grey	323,0	13,0
01915088	OZ	18 x 0,75	grey - grey	307,0	13,0

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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.
01915074	OZ	18 x 1,5	grey - grey	517,0	15,0

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