



HSLHCH 300/500V Control Cable

DESCRIPTION:

Copper conductor with LSZH insulated
and sheathed control cable,
and Tinned Copper Wires Braid screening

CABLE STRUCTURE:

Conductor: Class 5 flexible stranded bare copper

Insulation:LSZH (Low Smoke Zero Halogen)

Bedding: LSZH (Low Smoke Zero Halogen)

Screen: TCWB (Tinned Copper Wires Braid)

Sheath: LSZH (Low Smoke Zero Halogen)

CODE DESIGNATION: HSLHCH

APPLICATION:

It is a flexible halogen-free insulated and sheathed control cable with number-coded cores and braided, tinned copper screen. Used in dry or wet interior areas not exposed to mechanical strain. Preferred for mobile installations and confined spaces thanks to its flexible and thin design. Used for measurement and control functions in electronic control systems, production and assembly lines and engineering projects. Cables are composed of halogen-free materials (flame retardant materials that do not emit toxic gas or black dense smoke that lowers visibility). They are primarily used in highly populated areas that should have fire resistance.

STANDARDS:

European standard :

VDE 0295, VDE 0207-303-7, VDE 0293-308,
VDE 0819-102,

Flame Retardant according to

IEC/EN 60332-1-2, IEC/EN 60332-3-24

Low Smoke Zero Halogen according to

IEC/EN 60754-1/2, IEC/ EN 61034-1/2

Other standards

such as IEC, BS, DIN and ICEA upon request

TECHNICAL DATA:

Voltage Rating U₀/U:

300/500V

Temperature Rating:

Fixed:-40°C to +80°C

Flexed: -15°C to +70°C

Minimum Bending Radius :

Fixed: 6 × overall diameter

Flexed: 15 × overall diameter

CERTIFICATES:

We hold SAA, CE, TUV and CCC certifications for our product categories. Additionally, we possess other authoritative certifications recognized in various countries and regions. For further details on our certification portfolio, please do not hesitate to contact us.





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Specifications

Nom.Cross- section Area	Nominal Thickness		overall diameter	cable Weight	DC Resistance at 20°C Conductor min	Current Carrying Capacites 30°C Continuous
	Insulation	Outer Sheath				
mm ²	mm	mm	mm	km/kg	Ω/km	A
2×0.5	0.4	0.8	6.8	77	39	9
2×0.75	0.4	0.8	7.2	77	26	12
2×1	0.4	0.9	7.8	107	19.5	15
2×1.5	0.4	0.9	8.4	127	13.3	18
3×0.5	0.4	0.8	7.1	89	39	9
3×0.75	0.4	0.9	7.7	106	26	12
3×1	0.4	0.9	8.1	120	19.5	15
3×1.5	0.4	1	9	152	13.3	18
3×2.5	0.5	1.1	11.1	243	7.98	26
4×0.50	0.4	0.9	7.7	105	39	9
4×0.75	0.4	0.9	8.2	123	26	12
4×1	0.4	0.9	8.7	142	19.5	15
4×1.5	0.4	1	9.6	178	13.3	18
4×2.5	0.5	1.1	11.3	254	7.98	26
4×4	0.6	1.3	13.6	371	4.95	34
4×6	0.65	1.4	15.2	489	3.3	44
4×10	0.75	1.7	19.2	766	1.91	61
4×16	0.75	1.8	21.5	1062	1.21	82
4×25	0.9	2.2	26.6	1577	0.780	108
4×35	0.95	2.4	30.4	2096	0.554	135



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Specifications

Nom.Cross- section Area	Nominal Thickness		overall diameter	cable Weight	DC Resistance at 20°C Conductor min	Current Carrying Capacites 30°C Continous
	Insulation	Outer Sheath				
mm ²	mm	mm	mm	km/kg	Ω/km	A
5×0.50	0.4	0.9	8.2	117	39	9
5×0.75	0.4	0.9	8.7	138	26	12
5×1	0.4	1	9.5	166	19.5	15
5×1.5	0.4	1.1	10.5	208	13.3	18
5×2.5	0.5	1.2	12.5	302	7.98	26
5×4	0.6	1.3	14.9	463	4.95	34
5×6	0.65	1.4	17.3	616	3.3	44
5×10	0.75	1.8	21.2	946	1.91	61
5×16	0.75	2	23.9	1315	1.21	82
7×0.5	0.4	0.9	8.7	138	39	9
7×0.75	0.4	1	9.5	167	26	12
7×1	0.4	1	8.1	198	19.5	15
7×1.5	0.4	1.1	11.2	251	13.3	18
7×2.5	0.5	1.3	13.6	379	7.98	26
7×4	0.6	1.4	16.2	588	4.95	34
7×6	0.65	1.6	18.8	792	3.3	44
12×0.5	0.4	1.1	11.1	213	39	9
12×0.75	0.4	1.2	12.3	272	26	12
12×1	0.4	1.2	13.1	316	19.5	15
12×1.5	0.4	1.4	14.8	414	13.3	18
18×0.75	0.4	1.3	14.1	367	26	12
18×1	0.4	1.4	15.3	441	19.5	15
18×1.5	0.4	1.5	17	569	13.3	18
25×0.75	0.4	1.5	16.7	569	26	12
25×1	0.4	1.6	18.3	611	19.5	15
25×1.5	0.4	1.8	20.8	818	13.3	18