



CU/LSZH/LSZH, LSZH(HSLH) 300/500V Control Cable

DESCRIPTION:

Copper conductor with Low Smoke Zero Halogen insulation and sheath control cable

CABLE STRUCTURE:

Conductor:

Class 5 flexible flexible plain copper

Insulation:

LZSH(Low Smoke Zero Halogen)

Sheath:

LZSH(Low Smoke Zero Halogen)

CODE DESIGNATION: HSLH

APPLICATION:

Low smoke halogen-free flexible connecting cable for instrumentation and control equipment for tooling machinery, production lines, and in flexible applications with free movement and no tensile load. Suitable for use in dry, ambient and wet rooms. These cables are not suitable for outdoor or underground installations.

STANDARDS:

European standard:

VDE 0207-303-7, 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: -5°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 Continous
	Insulation	Outer Sheath				
mm ²	mm	mm	mm	km/kg	Ω/km	A
2×0.5	0.4	0.7	4.8	36	39	9
2×0.75	0.4	0.7	5.2	46	26	12
2×1	0.4	0.7	5.6	56	19.5	15
2×1.5	0.4	0.8	6.4	73	13.3	18
2×2.5	0.5	0.9	7.6	113	7.98	26
3×0.5	0.4	0.7	5.1	44	39	9
3×0.75	0.4	0.7	5.5	55	26	12
3×1	0.4	0.8	6.1	69	19.5	15
3×1.5	0.4	0.8	6.8	91	13.3	18
3×2.5	0.5	0.9	8.3	140	7.98	26
3×4	0.6	1	10	210	4.95	34
3×6	0.65	1.1	11.5	293	3.3	44
3×10	0.75	1.4	14.9	500	1.91	61
3×16	0.75	1.5	16.8	704	1.21	82
4×0.50	0.4	0.7	5.5	54	39	9
4×0.75	0.4	0.8	6.2	70	26	12
4×1	0.4	0.8	6.7	85	19.5	15
4×1.5	0.4	0.9	7.6	116	13.3	18
4×2.5	0.5	1	9.3	179	7.98	26
4×4	0.6	1.1	11.2	269	4.95	34
4×6	0.65	1.2	12.8	374	3.3	44
4×10	0.75	1.5	16.6	608	1.91	61
4×16	0.75	1.6	18.7	844	1.21	82
4×25	0.9	2	23.6	1327	0.780	108
4×35	0.95	2.2	27.2	1790	0.554	135
5×0.50	0.4	0.8	6.2	64	39	9
5×0.75	0.4	0.8	6.7	83	26	12
5×1	0.4	0.9	7.5	104	19.5	15
5×1.5	0.4	0.9	8.3	136	13.3	18
5×2.5	0.5	1.1	10.3	213	7.98	26
5×4	0.6	1.2	12.4	321	4.95	34
5×6	0.65	1.3	14.3	447	3.3	44
5×10	0.75	1.6	18.4	760	1.91	61
5×16	0.75	1.8	20.9	1064	1.21	82
5×25	0.9	2.2	26.4	1673	0.780	108



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	Insulation	Outer Sheath				
mm ²	mm	mm	mm	km/kg	Ω/km	A
7×0.5	0.4	0.8	6.7	81	39	9
7×0.75	0.4	0.9	7.5	108	26	12
7×1	0.4	0.9	8.1	130	19.5	15
7×1.5	0.4	1	9.2	177	13.3	18
7×2.5	0.5	1.10	11.2	277	7.98	26
7×4	0.6	1.30	13.7	423	4.95	34
7×6	0.65	1.40	15.7	593	3.3	44
8×0.5	0.4	0.9	7.5	95	26	12
8×1	0.4	1	9	150	19.5	15
8×1.5	0.4	1	10	200	13.3	18
12×0.5	0.4	1	9.1	139	39	9
12×0.75	0.4	1	9.9	179	26	12
12×1	0.4	1.10	10.9	225	19.5	15
12×1.5	0.4	1.20	12.4	302	13.3	18
18×0.5	0.4	1.10	10.7	201	39	9
18×0.75	0.4	1.20	11.9	230	26	12
18×1	0.4	1.20	12.9	324	19.5	15
18×1.5	0.4	1.40	14.8	446	13.3	18
18×2.5	0.5	1.60	18.2	704	7.98	26
25×0.5	0.4	1.20	12.9	285	39	9
25×0.75	0.4	1.30	14.3	372	26	12
25×1	0.4	1.40	15.7	462	19.5	15
25×1.5	0.4	1.60	18	627	13.3	18
25×2.5	0.5	1.90	22.3	997	7.98	26
34×0.75	0.4	1.50	16.3	492	26	12
34×1	0.4	1.60	17.9	617	19.5	15
34×1.5	0.4	1.70	20.2	833	13.3	18