



**Cu/LS0H/LS0H
300/500 V
H05Z1Z1-F**

DESCRIPTION:

300/500V for H05Z1Z1-F, 70° C

CABLE STRUCTURE:

Conductor:

Bare copper fine wire, stranded to
IEC 60228 class 5 and HD 383 class 5

Insulation:

Thermoplastic Halogen-free
Green-yellow grounding (3 conductors and above)

Sheath:

Thermoplastic halogen-free

APPLICATION:

These cables are suitable for cooking and heating equipment, providing that the cable is not in contact with hot components or heat radiation. Not suitable for use in high temperature areas (like in lighting equipment), outside buildings, in industrial or agricultural buildings, connection of electrical power tools.

STANDARD:

HD21.14 S1,
VDE 0281 Part 14, VDE 0482-332-1-2,
EN60332-1, EN50267, EN50363

TECHNICAL DATA:

Rated voltage:

300/500V for H05Z1Z1-F

Test voltage:

2500V for H05Z1Z1-FZ

Flexing bending radius:

7.5 x Ø

Fixed bending radius:

4.0 x Ø

Operating Temperature:

-5° C to +70° C

Smoke density acc. to EN 50268 / IEC 61034

Corrosiveness of combustion gases acc. to
EN 50267-2-2, IEC 60754-2

Flame test:

flame-retardant acc. to EN 50265-2-1, IEC 60332.1

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

No. of Cores Nominal Cross Sectional Area	No. of wires	Wire Dia.	Nom. LS0H Insulation Thickness	Nom. LS0H Sheath Thickness	Overall Diameter		Min. Insulation Resistance at 70°C	Maximum Resistance of Conductor at 20°C Plain Copper Wires
					Min. OD	Max. OD		
N × mm ²		mm	mm	mm	mm	mm	Mohm.km	Ω/km
2x0.75	24	02	0.6	0.8	5.7	7.2	0.011	26.0
2x1	32	02	0.6	0.8	5.9	7.5	0.010	19.5
2x1.5	30	0.25	0.7	0.8	6.8	8.6	0.010	13.3
2x2.5	50	0.25	0.8	1.0	8.4	10.6	0.0095	7.98
2x4	56	0.3	0.8	1.1	9.7	12.1	0.0078	4.95
3x0.75	24	02	0.6	0.8	6.0	7.6	0.011	26.0
3x1	32	02	0.6	0.8	6.3	8.0	0.010	19.5
3x1.5	30	0.25	0.7	0.9	7.4	9.4	0.010	13.3
3x 2.5	50	0.25	0.8	1.1	9.2	11.4	0.0095	7.98
3x4	56	0.3	0.8	1.2	10.5	13.1	0.0078	4.95
4x0.75	24	02	0.6	0.8	6.6	8.3	0.011	26.0
4x1	32	02	0.6	0.9	7.1	9.0	0.010	19.5
4x1.5	30	0.25	0.7	1.0	8.4	10.5	0.010	13.3
4x2.5	50	0.25	0.8	1.1	10.1	12.5	0.0095	7.98
4x4	56	0.3	0.8	1.2	11.5	14.3	0.0078	4.95
5x0.75	24	02	0.6	0.9	7.4	9.3	0.011	26.0
5x1	32	02	0.6	0.9	7.8	9.8	0.010	19.5
5x1.5	30	0.25	0.7	1.1	9.3	11.6	0.010	13.3
5x 2.5	50	0.25	0.8	1.2	11.2	13.9	0.0095	7.98
5x4	56	0.3	0.8	1.4	13.0	16.1	0.0078	4.95