

A close-up, low-angle shot of a white smoke detector mounted on a ceiling. Thick, wispy white smoke is rising from the detector's vents, filling the upper half of the frame. The background is dark and out of focus, with some faint orange and yellow light visible at the bottom, suggesting a fire source. The smoke detector has a green indicator light and some text on its face, including "DO NOT PAINT" in reverse.

Low Smoke Halogen Free Wires and Cables

LSHF Wires

STRANDED COPPER

Single Core

LSHF Insulated 450/750 V

Applications:

For indoor fixed installations in dry locations, laid in conduits, as well as in steel support brackets

Maximum operating temperature: 90° C

Construction:

1. CONDUCTOR

Copper, Stranded class 2

*Note: Solid copper conductors class 1 are available upon request from 0.5 mm² up to 16 mm²

2. INSULATION

Low Smoke Halogen Free [LSHF]

Standards:

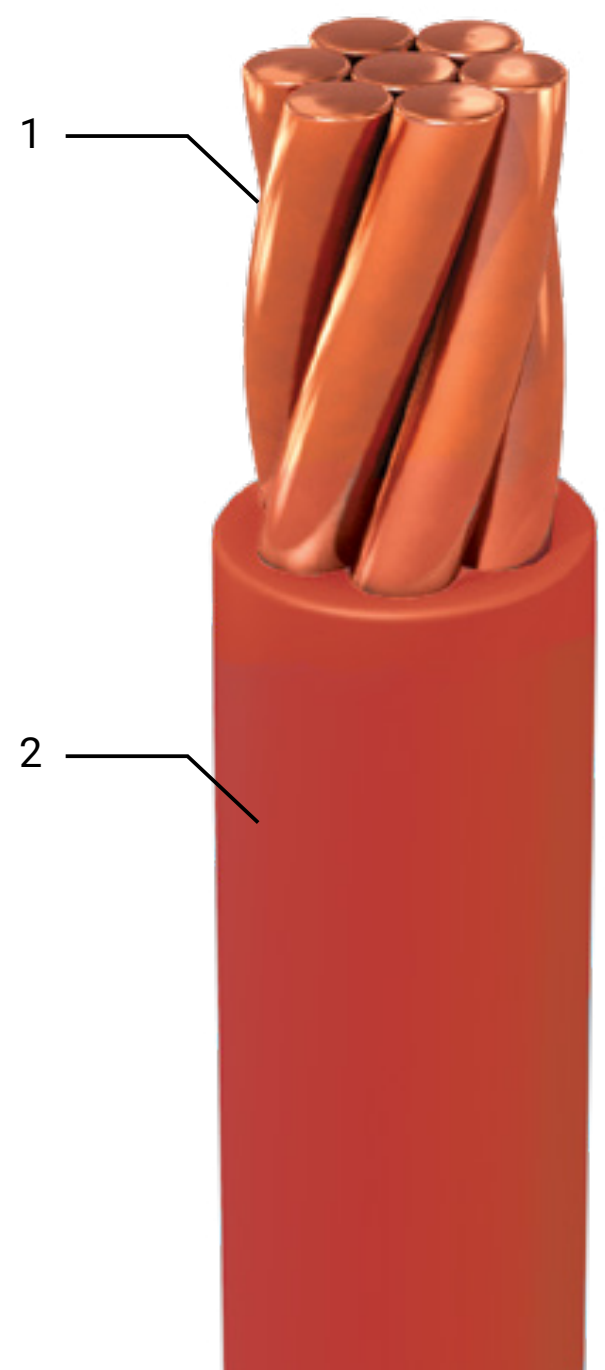
BSEN 50525-3-41(H07Z-R)

IEC 60228

Rated Voltage:

450/750 V

*Note: Other AWG sizes are available upon request



Stranded CU/LSHF

Product Code	Conductor Size	Overall Diameter	Cable Weight	Max. Conductor Resistance		Current Rating	
	(mm²)	(mm)	(kg/km)	DC at 20 °C	AC at 70 °C	in free air 	in pipes 
				Ω/Km	Ω/Km	A	A
01C001CT0LB0000	1	2.7	20	18.1	21.66	15	12
01C01.5CT0LB0000	1.5	2.9	26	12.1	14.48	18	15
01C002CT0LB0000	2	3.4	32	9.22	11.03	21	17
01C02.5CT0LB0000	2.5	3.5	37	7.41	8.87	29	24
01C003CT0LB0000	3	3.7	42	6.1	7.30	31	25
01C004CT0LB0000	4	4.1	58	4.61	5.52	38	27
01C006CT0LB0000	6	4.6	79	3.08	3.69	45	33
01C010CT0LB0000	10	5.8	116	1.83	2.19	67	48
01C016CT0LB0000	16	6.7	173	1.15	1.38	89	65
01C025CT0LB0000	25	8.5	274	0.727	0.87	118	83
01C035CT0LB0000	35	9.1	366	0.524	0.63	147	104
01C050CT0LB0000	50	10.6	495	0.387	0.46	178	125
01C070CT0LB0000	70	12.6	694	0.268	0.32	228	155
01C095CT0LB0000	95	14.6	956	0.193	0.23	290	199
01C120CT0LB0000	120	16.1	1191	0.153	0.18	338	227
01C150CT0LB0000	150	17.9	1481	0.124	0.15	385	259
01C185CT0LB0000	185	20.0	1830	0.0991	0.12	449	298
01C240CT0LB0000	240	23.0	2422	0.0754	0.09	541	358
01C300CT0LB0000	300	25.2	2990	0.0601	0.08	619	405
01C400CT0LB0000	400	28.7	3813	0.047	0.06	748	488
01C500CT0LB0000	500	32.6	4843	0.0366	0.05	863	560
01C630CT0LB0000	630	38.4	6155	0.0283	0.04	1024	652

Installation Conditions for the above rating
In Air : 30°C
In Duct : 20°C
The above dimensions are approximate and subject to manufacturing tolerance.