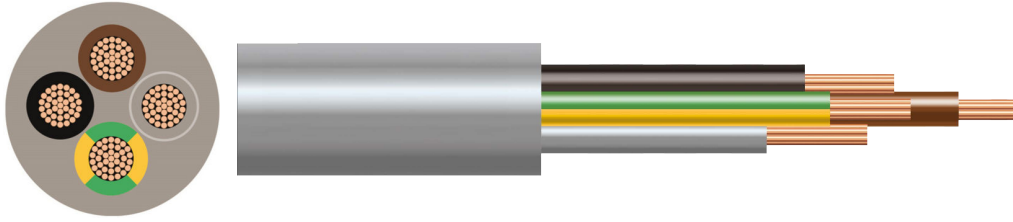


## TYPE YY LSZH FLEXIBLE CONTROL CABLE



YY LSZH control cable is a highly flexible unshielded multicore power and signal control cable designed for various applications such as engineering, plant installations, car production, bottling plants, and more. Constructed with plain electrolytic fine copper wire strands, it is suitable for outdoor use when protected from direct sunlight and for indoor use in dry or moist conditions.

These cables feature Low Smoke Zero Halogen sheathing, ensuring safety and minimal environmental impact in case of fire.

While not UV resistant, these cables can be used outdoors if adequately protected against direct sunlight. Ideal for instrumentation and control equipment, tooling machinery production lines, and flexible applications requiring free movement without tensile load. They facilitate connections between fixed and mobile equipment in production and assembly lines.

<b>CONDUCTOR</b>	Plain Copper
<b>STRANDING</b>	Class 5
<b>INSULATION</b>	LSZH
<b>OUTERSHEATH</b>	LSZH
<b>OUTERSHEATH COLOUR</b>	Grey
<b>RATED VOLTAGE</b>	300/500V
<b>CORE IDENTIFICATION</b>	2 core: Brown, Blue 3 core: Brown, Blue and Green/Yellow 4 core: Brown, Black, Grey and Green/Yellow 5 core: Brown, Black, Grey, Blue and Green/Yellow 7 to 34 core: Black numbered and 1 Green/Yellow
<b>MINIMUM BENDING RADIUS</b>	Fixed: 6 x overall diameter Flexed: 15 x overall diameter
<b>OPERATING TEMPERATURE</b>	Fixed: -40°C to +80°C Flexed: -15°C to +70°C
<b>STANDARDS</b>	VDE 0207-303-7
<b>APPROVALS</b>	

# SPECIFICATION DATA

BATT Part No	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OUTER SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
37841	2	0.75	0.4	0.7	5.4	46
37842	2	1	0.4	0.7	5.8	55
37843	2	1.5	0.4	0.8	6.5	70
37844	2	2.5	0.5	0.9	7.5	106
37845	3	0.75	0.4	0.7	5.6	53
37846	3	1	0.4	0.8	6.1	67
37847	3	1.5	0.4	0.8	6.9	88
37848	3	2.5	0.5	0.9	8.1	130
37849	3	4	0.6	1	10.0	200
37850	3	6	0.65	1.1	11.5	278
37851	3	10	0.75	1.4	14.5	467
37852	3	16	0.75	1.5	17.8	695
37853	4	0.75	0.4	0.8	6.2	67
37854	4	1	0.4	0.8	6.7	83
37855	4	1.5	0.4	0.9	7.5	110
37856	4	2.5	0.5	1	9.0	164
37857	4	4	0.6	1.1	10.9	248
37858	4	6	0.65	1.2	12.5	350
37859	4	10	0.75	1.5	16.3	600
37860	4	16	0.75	1.6	19.4	954
37861	5	0.75			6.8	80
37862	5	1	0.4	0.9	7.6	99
37863	5	1.5	0.4	0.9	8.3	116
37864	5	2.5	0.5	1.1	10.0	197
37865	5	4	0.6	1.2	12.2	304
37866	5	6	0.65	1.3	14.0	424
37549	5	10	0.75	1.6	18.4	760
37867	7	0.75	0.4	0.9	7.5	98
37868	7	1	0.4	0.9	8.1	123
37869	7	1.5	0.4	1	9.1	167
37870	7	2.5	0.5	1.1	11.1	256
37871	12	1	0.4	1.1	10.9	207
37872	12	1.5	0.4	1.2	12.4	280
37557	18	1	0.4	1.2	12.9	324

## Electrical Characteristics

NOMINAL CROSS SECTIONAL AREA mm	CURRENT CARRYING CAPACITES 30°C CONTINUOUS LOADING A	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
0.5	9	39
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	23	7.98
4	34	4.95

6	44	3.3
10	61	1.91
16	82	1.21
25	108	0.780
35	135	0.554

The information in this datasheet is for guidance only and subject to change without liability. Images provided are representations; actual cable dimensions may vary due to manufacturing tolerances.

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