



## YY LSZH Control Flexible Cable

### Application and Description

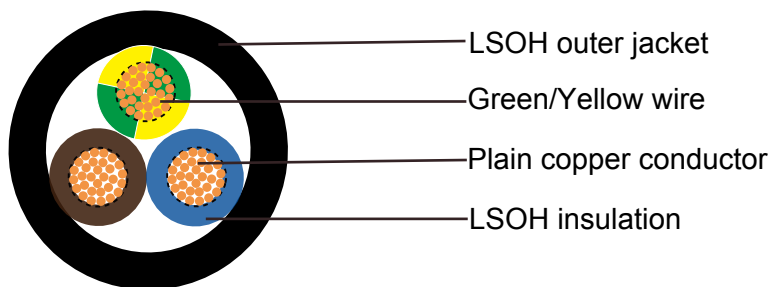
YY LSZH Control Flexible Cable is suitable for electrical installations in dry and damp interiors and outdoors if UV protection and temperature ranges are observed. It is suitable as a measurement, sensing and control cable in the machine tool manufacturing, engineering, power stations, heating and air conditioning installations, refrigeration and data processing installations. Can be used outdoors when protected, and in dry or moist conditions indoors.

### Standard and Approval

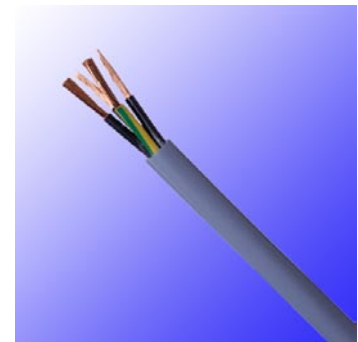
BS6500, VDE0250, IEC 60332-3, IEC 60754-1

### Cable Construction

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5
- LSOH core insulation
- Color coded to VDE-0293-308
- Green-yellow grounding (3 conductors and above)
- LSOH outer jacket



YY LSZH





### Technical Characteristics

- Working voltage: 300/500 volts
- Test voltage: 3000 volts
- Minimum bending radius: 10 x Ø
- Flexing temperature: -5° C to +85° C
- Static temperature: -35° C to +85° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.3
- Insulation resistance: 20 MΩ x km

### Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Cable Weight kg/km
20(16/32)	2 x 0.5	4.8	9.6	40
20(16/32)	3 x 0.5	5.1	14.4	47
20(16/32)	4 x 0.5	5.7	19.2	57
20(16/32)	5 G 0.5	6.2	24.0	66
20(16/32)	7 G 0.5	7.1	33.6	85
20(16/32)	12 G 0.5	8.9	58.0	133
18(24/32)	2 x 0.75	5.4	14.4	50
18(24/32)	3 x 0.75	5.7	21.6	60
18(24/32)	4 x 0.75	6.2	28.8	73
18(24/32)	5 x 0.75	6.7	36.0	88
18(24/32)	7 x 0.75	7.7	50.0	109
18(24/32)	9 G 0.75	9.4	65.0	162
18(24/32)	12 G 0.75	9.9	86.0	190
18(24/32)	18 G 0.75	11.7	130.0	268
18(24/32)	25 G 0.75	13.8	180.0	374
17(32/32)	2 x 1.0	5.7	19.2	57
17(32/32)	3 x 1.0	6.0	28.8	73
17(32/32)	4 x 1.0	6.5	38.4	85
17(32/32)	5 G 1.0	7.1	48.0	105
17(32/32)	7 G 1.0	8.3	67.0	131
17(32/32)	8 G 1.0	9.5	77.0	146
17(32/32)	12 G 1.0	10.5	115.0	220
17(32/32)	14 G 1.0	11.2	134.0	249



## German Standard (VDE)

AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Cable Weight kg/km
17(32/32)	18 G 1.0	12.7	173.0	315
17(32/32)	25 G 1.0	14.7	240.0	449
17(32/32)	41 G 1.0	18.8	394.0	698
16(30/30)	2 x 1.5	6.3	29.0	77
16(30/30)	3 x 1.5	6.7	43.0	95
16(30/30)	4 G 1.5	7.2	58.0	117
16(30/30)	5 G 1.5	8.1	72.0	144
16(30/30)	7 G 1.5	9.9	101.0	183
16(30/30)	8 G 1.5	10.6	115.0	205
16(30/30)	9 G 1.5	11.4	130.0	220
16(30/30)	12 G 1.5	12.0	173.0	307
16(30/30)	14 G 1.5	12.6	202.0	349
16(30/30)	18 G 1.5	14.4	259.0	465
16(30/30)	25 G 1.5	16.9	360.0	655
16(30/30)	34 G 1.5	22.0	490.0	945
14(30/50)	2 x 2.5	7.5	48.0	123
14(30/50)	3 G 2.5	8.1	72.0	152
14(30/50)	4 G 2.5	8.9	96.0	192
14(30/50)	5 G 2.5	10.0	120.0	243
14(30/50)	7 G 2.5	12.3	168.0	310
14(30/50)	12 G 2.5	14.8	288.0	524
12(56/28)	4 G 4	10.8	154.0	299
12(56/28)	5 G 4	12.1	192.0	363
12(56/28)	7 G 4	14.9	269.0	488
10(84/28)	4 G 6	13.0	230.0	480
10(84/28)	5 G 6	14.1	288.0	583
10(84/28)	7 G 6	17.5	404.0	782