



Application

LSZH YY Control Flex Cables are designed for flexible control and connection applications in industrial machinery, equipment, and assembly lines. They are suitable for use under low mechanical stress in dry, moist, or wet indoor environments where enhanced fire safety and low smoke emission are required.

Characteristics

Voltage Rating 300/500v

Test Voltage 2000v

Temperature in operation -30°C to +70°C (Fixed)

Min. bending radius 7.5 x OD

CPR Fire Class Cca,s1,d1,a1

Standards

Flame Retardant IEC 60332-1-2, IEC 60332-3-24 (Cat. C)

Smoke Density Test IEC 61034-2

Test on Corrosiveness of Combustion Gases IEC 60754-2

Halogen Free Test IEC 60754-1

Construction

Conductor

Stranded electrolytic copper wire Class 5, (BS EN 60228:2005)

Insulation

Halogen Free Compound (HF Compound)

Outer Sheath

Halogen Free Compound (HF Compound)

Regulatory Compliance



Core Identification

OZ - Black cores, white numbers

JZ - Black cores, white numbers + Green/Yellow

OB / JB - Coloured cores according to HD 308.1

Sheath Colour

Grey



RESPONSIBLY
PRODUCED
COPPER

The Copper Mark Partnership

- IEWC promotes sustainable practices by our suppliers
- Copper Mark promotes seven of 17 UN Global Sustainability Goals
- Copper Mark recipients cover
- 20% of global copper production

Cross Section (mm ²)	Overall Diameter (mm)	Weight (kg/km)
2x0.75	5.40	47
3x0.75	5.70	56
4x0.75	6.20	67
5x0.75	6.80	82
7x0.75	7.50	105
10x0.75	9.40	146
12x0.75	9.50	165
14x0.75	10.40	194
18x0.75	11.50	244
25x0.75	14.00	342
34x0.75	15.70	456
50x0.75	18.60	669
2x1	5.80	56
3x1	6.10	66
4x1	6.60	79
5x1	7.40	101
6x1	8.00	120
7x1	8.00	126
8x1	8.50	145
9x1	9.20	168
10x1	10.20	179
12x1	10.30	204
14x1	11.00	232
18x1	12.50	297
21x1	13.00	340
25x1	15.10	420
34x1	16.80	555
2x1.5	6.20	68
3x1.5	6.60	83
4x1.5	7.40	105
5x1.5	8.10	129
7x1.5	8.70	162

This datasheet is for guidance only. While we believe the information is accurate at the time of publication, it is subject to manufacturing tolerances.

Cross Section (mm ²)	Overall Diameter (mm)	Weight (kg/km)
8x1.5	9.30	188
9x1.5	10.30	223
10x1.5	11.20	232
12x1.5	11.30	265
14x1.5	12.40	311
16x1.5	13.10	353
18x1.5	13.70	391
25x1.5	16.60	550
34x1.5	18.70	736
50x1.5	22.40	1113
2x2.5	7.40	102
3x2.5	7.90	127
4x2.5	8.60	155
5x2.5	9.50	191
7x2.5	10.40	250
10x2.5	13.40	356
12x2.5	13.50	409
14x2.5	14.80	479
18x2.5	16.40	607
25x2.5	20.10	861
34x2.5	22.60	1154
2x4	8.60	145
3x4	9.20	182
4x4	10.30	231
5x4	11.30	284
7x4	12.40	372
12x4	16.10	622
2x6	10.50	216
3x6	11.20	270
4x6	12.50	342
5x6	13.80	423

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Cross Section (mm ²)	Overall Diameter (mm)	Weight (kg/km)
7x6	15.20	554
2x10	13.00	346
3x10	13.90	437
4x10	15.50	560
5x10	17.30	695
7x10	18.80	901
3x16	16.20	638
4x16	18.10	819
5x16	20.30	1019
7x16	22.20	1340
3x25	20.90	1016
4x25	23.40	1302
5x25	26.10	1614
3x35	23.70	1351
4x35	26.50	1733
5x35	29.80	2165
3x50	28.60	1954
4x50	32.10	2517
5x50	35.80	3118
4x70	38.20	3577

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