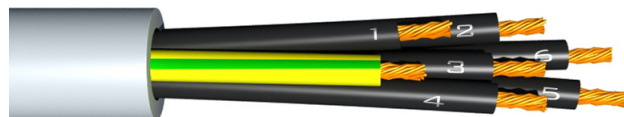


# Flexible Control Cables - YSLY

## Applications

- Power and control where cable flexibility is required – indoor use, in chemically harsh and wet environments
- Where EMC is not required



## Standards

- DIN VDE 0245
- IEC 60227-1
- IEC 60332-1

## Construction

Conductors	Stranded copper conductors type 5 per IEC 60228
Insulation	FR PVC Type D per IEC 60227-1
Color code	1 wire – yellow/green, all other – black, numbered. Two (2) wire cables do not contain the yellow/green wire
Core layout	In concentric layers
Jacket	FR-PVC type ST5 per IEC 60227-1 Color: grey (RAL 7032)
Printing	Control Cable YSLY-JZ, NxM, IEC 60332-1, VDE 0245, 300/500V RoHS, Batch-code, Length in m (where N is the number of wires and M is the wire cross-section area in mm <sup>2</sup> )

## Electrical Properties (20°C)

Conductor resistance:	0.5 mm <sup>2</sup>	≤ 39 Ω/km
	0.75 mm <sup>2</sup>	≤ 26.4 Ω/km
	1.0 mm <sup>2</sup>	≤ 19.5 Ω/km
	1.5 mm <sup>2</sup>	≤ 13.3 Ω/km
	2.5 mm <sup>2</sup>	≤ 7.98 Ω/km
	4.0 mm <sup>2</sup>	≤ 4.95 Ω/km
	6.0 mm <sup>2</sup>	≤ 3.30 Ω/km
	10 mm <sup>2</sup>	≤ 1.91 Ω/km
16 mm <sup>2</sup>	≤ 1.21 Ω/km	
Insulation dielectric strength:	3000 VDC / 1 minute	
Insulation resistance	20 MΩ/km	
Voltage rating	300/500 V	

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Current load	0.5 mm <sup>2</sup>	6 A
	0.75 mm <sup>2</sup>	13 A
	1.0 mm <sup>2</sup>	16 A
	1.5 mm <sup>2</sup>	20 A
	2.5 mm <sup>2</sup>	25 A
	4.0 mm <sup>2</sup>	35 A
	6.0 mm <sup>2</sup>	40 A

## Mechanical and Thermal Properties

Bending radius	> 10 x cable diameter
Operation temperature range	-5° to +70°C

## Fire Propagation Properties

- IEC 60332-1

## Cable Codes and Technical Parameters

Number of Pairs	Cable Code	PN	Nominal Diameter (mm)	Nominal Weight (kg/km)
2	2x0.5-YSLY-OZ	2120218D	5.2	33
2	2x0.75-YSLY-OZ	2140203D	5.8	28
3	3x0.75-YSLY-JZ	2140306D	6.1	34
4	4x0.75-YSLY-JZ	2140401D	6.5	45
5	5x0.75-YSLY-JZ	2140502D	7.1	55
7	7x0.75-YSLY-JZ	2140701D	8.2	75
9	9x0.75-YSLY-JZ	2140901D	9.4	95
10	10x0.75-YSLY-JZ	2141001D	10.0	105
12	12x0.75-YSLY-JZ	2141205D	10.6	125
18	18x0.75-YSLY-JZ	2141801D	12.5	184
25	25x0.75-YSLY-JZ	2142501D	14.3	253
2	2x1.0-YSLY-OZ	2160201D	6.2	49
3	3x1.0-YSLY-JZ	2160301D	6.5	58
4	4x1.0-YSLY-JZ	2160401D	7.0	74
5	5x1.0-YSLY-JZ	2160501D	8.3	97
7	7x1.0-YSLY-JZ	2160701D	9.1	124
9	9x1.0-YSLY-JZ	2160901D	9.7	165
10	10x1.0-YSLY-JZ	2161003D	10.7	175
12	12x1.0-YSLY-JZ	2161201D	11.5	205
18	18x1.0-YSLY-JZ	2161801D	13.6	293
25	25x1.0-YSLY-JZ	2162501D	15.6	395

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# Flexible Control Cables - YSLY

Number of Pairs	Cable Code	PN	Nominal Diameter (mm)	Nominal Weight (kg/km)
2	2x1.5-YSLY-OZ	2180204D	6.8	62
3	3x1.5-YSLY-JZ	2180301D	7.0	74
4	4x1.5-YSLY-JZ	2180401D	7.7	98
5	5x1.5-YSLY-JZ	2180503D	9.0	124
7	7x1.5-YSLY-JZ	2180701D	9.8	161
9	9x1.5-YSLY-JZ	2160901D	11.1	205
10	10x1.5-YSLY-JZ	2161003D	11.6	227
12	12x1.5-YSLY-JZ	2161201D	12.5	267
18	18x1.5-YSLY-JZ	2181801D	14.9	387
25	25x1.5-YSLY-JZ	2182501D	17.2	528
3	3x2.5-YSLY-JZ	2220317D	9.1	120
4	4x2.5-YSLY-JZ	2220403D	9.6	155
5	5x2.5-YSLY-JZ	2220506D	11.5	204
7	7x2.5-YSLY-JZ	2220701D	12.4	260
3	3x4-YSLY-JZ	2260303D	10.3	168
4	4x4-YSLY-JZ	2260403D	11.2	224
5	5x4-YSLY-JZ	2260501D	13.3	288
6	6x4-YSLY-JZ	2260530D	15.0	350
3	3x6-YSLY-JZ	2280302D	12.5	235
5	5x6-YSLY-JZ	2280503D	15.5	410
5	5x10-YSLY-JZ	2300501D	20.0	710
5	5x16-YSLY-JZ	2320501D	31.0	1050

Yair Duchovni Cables Ltd. reserves the right to alter the products described in this data sheet without prior notice

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