

## Instrumentation, Control and Signal Cables

### Cable YSLY

#### Overview

Cable for instrumentation circuits, command and control, signaling and measurement in machine tools, HVAC systems, production machinery. Flexible cable for use inside buildings in dry, damp or wet places, with average mechanical stress. Outdoors should be used with UV protection, observing the temperature range. It is suitable for fixed and non-continuous mobile installations.

#### TECNICAL DATA

##### Standards

IEC 60228

##### Conductor

Flexible bare copper, class 5

##### Insulation

PVC type TI1

##### Core Identification

Black with printed numbers with (-JZ)  
or without (-OZ) earth Core (Green/Yellow)

##### Outer Sheath

PVC type TM2

##### Color

Grey (RAL 7001)

##### Printing

"Manufacturer" YSLY – OZ / JZ (no. cores) x (cross section mm<sup>2</sup>) (length mt) (year of manufacture) CE

##### Tests

Self-extinguishing and flame retardant according to IEC60332-1.

##### Operating Voltage

300/500 V

##### Test Voltage

2000V

##### Operating Temperature

Fixed: -40°C to +80 °C  
Not fixed: -5°C to +70°C

##### Min. Bending Radius

Fixed: 5xØ  
Not fixed: 10xØ

**Table:** No. Cores, diameter and weight for each control cable and control type YSLY.

No. Cores x Cross sec.[mm <sup>2</sup> ]	Ø Outer [mm]	Weight [kg/km]
2x0.75	5.8	46
3x0.75	6.1	55
4x0.75	6.7	68
5x0.75	7.4	82
6x0.75	7.9	108
7x0.75	8.3	108
8x0.75	8.7	132
10x0.75	10.3	162
12x0.75	10.9	173
18x0.75	12.7	273
25x0.75	14.9	385
2x1	5.8	51
3x1	6.4	64
4x1	7.0	79

No. Cores x Cross sec.[mm <sup>2</sup> ]	Ø Outer [mm]	Weight [kg/km]
5x1	7.7	96
6x1	8.3	135
7x1	8.8	128
8x1	9.0	148
9x1	10.0	178
10x1	11.1	210
12x1	11.2	203
14x1	11.8	271
18x1	13.7	328
25x1	16.5	531
2x1.5	6.3	64
3x1.5	7.0	81
4x1.5	7.7	101

No. Cores x Cross sec.[mm <sup>2</sup> ]	Ø Outer [mm]	Weight [kg/km]
5x1.5	8.7	128
7x1.5	9.3	162
8x1.5	10.9	205
10x1.5	13.1	252
12x1.5	13.5	312
18x1.5	16.2	456
25x1.5	19.6	638
4x2.5	11.1	207
5x2.5	12.5	262
7x2.5	15	376
12x2.5	17.8	569
18x2.5	21.4	835
25x2.5	25.6	1181