

YSLY-OZ/JZ

Signal / Control Cable

Flexible cable, number coded



IEC 60228 ; EN 50290-2-21 ; IEC 60332-1-2

RoHS , REACH & CE Directives



Ambient installation T°
C range
0 + 50 °C



Operating temp.
-20 + 60 °C



Storage temperature
range
-20 + 70 °C



Flame retardant
IEC 60332-1



Smoke density

Applications

YSLY-JZ/OZ is a type of flexible PVC-sheathed control, signal, and instrumentation cable designed for industrial applications. It is widely used for measuring and controlling equipment, machine tools, production lines, and conveyor belts, typically operating in dry, damp, or wet indoor environments. The cores of this cable type are numbered in such way, so they can be easily recognised even when a small piece of the inner sheath has been removed. This type is suitable when the application requires flexibility. Suitable for medium mechanical stresses with free movement without tensile stresses. Generally not suitable for outdoor use without UV protection or for constant, forced movement. The green/yellow earthing core is placed in the outer layer.

YSLY-OZ/JZ Construction:

Conductor material:

Core Insulation:

Core coding:

Class 5 Fine stranded bare copper

PVC compound T12 (Polyvinyl chloride)

Black cores with continuous white numbering

All cables (3 cores and above) include a green/yellow earthing core in the outer layer.

Outer sheath:

material PVC TM2 (Polyvinyl chloride)

Colour Gray (RAL 7001), Oil resistant and chemical resistance,

Flame retardant according to IEC 60332-1

Technical Data:

Insulation resistance:

Nominal voltage:

Temperature range (for flexible use)

(fixed installation)

Bending radius Occasional movement)

(Fixed installation)

MΩ x km > 20

U_o/U 300/500 V

-5°C to +70 °C

-40°C to +70 °C

15 x OD (overall diameter)

4 x OD (overall diameter)

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Dimensions:

Cable Description	No. of Cores	Nominal Conductor Size (mm ²)	Nominal Cable Diameter (mm)	Nominal Cable Weight (kg/km)
18 AWG (0.75 mm²)				
2 x 0.75	2	0.75	5.3	41
3 x 0.75	3	0.75	5.6	51
4 x 0.75	4	0.75	6.1	63
5 x 0.75	5	0.75	6.7	74
6 x 0.75	6	0.75	7.3	86
7 x 0.75	7	0.75	7.5	96
17 AWG (1 mm²)				
2 x 1	2	1	5.9	48
3 x 1	3	1	6.2	62
4 x 1	4	1	6.8	76
5 x 1	5	1	7.4	91
6 x 1	6	1	8.2	104
7 x 1	7	1	8.3	116
16 AWG (1.5 mm²)				
2 x 1.5	2	1.5	6.8	62
3 x 1.5	3	1.5	7.2	79
4 x 1.5	4	1.5	7.8	97
5 x 1.5	5	1.5	8.6	119
6 x 1.5	6	1.5	9.4	141
7 x 1.5	7	1.5	9.6	158
14 AWG (2.5 mm²)				
2 x 2.5	2	2.5	8.0	85
3 x 2.5	3	2.5	8.4	115
4 x 2.5	4	2.5	9.3	148
5 x 2.5	5	2.5	10.2	176
6 x 2.5	6	2.5	11.0	202

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.