

YSLCY-OZ/JZ

Signal / Control Cable

Flexible cable, with polyester tape
& tinned copper braiding



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

YSLCY-JZ 300/500 V, YSLCY-OZ 300/500 V, HSLCH-JZ 300/500 V, HSLCH-OZ 300/500 V are flexible, overall shielded cables designed for wet or dry locations and intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

YSLCY-OZ/JZ; HSLCH-OZ/JZ Construction:

Conductor material:

Core Insulation:

Core coding:

Wrapping

Braiding

Outer sheath:

Class 5 Fine stranded bare copper

PVC compound TI2 (Polyvinyl chloride)

or halogen free LSZH

Black cores with continuous white numbering

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

cable core wrapped in polyester tape

with tinned copper wire

material PVC TM2 (Polyvinyl chloride),

or halogen free LSZH

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

Flame retardant according to IEC 60332-1

Technical Data:

Insulation resistance:

Nominal voltage:

Voltage test

Temperature range (for flexible use)

(fixed installation)

Bending radius Ocassional movement)

(Fixed installation)

MΩ x km > 20

Uo/U 300/500 V

3.0 kV

-5°C to +70 °C

-40°C to +70 °C

15 x OD (overall diameter)

4 x OD (overall diameter)

Available upon request:

HSLCH-JZ 300/500 V, HSLCH-OZ 300/500 V,

halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

YSLCY-OZ/JZ ; HSLCH-OZ/JZ

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	5.6	41
3 x 0.75	3	0.75	6.0	51
4 x 0.75	4	0.75	6.5	63
5 x 0.75	5	0.75	7.0	74
6 x 0.75	6	0.75	7.6	86
7 x 0.75	7	0.75	7.7	96
17 AWG (1 mm²)				
2 x 1	2	1	6.2	48
3 x 1	3	1	6.5	62
4 x 1	4	1	7.0	76
5 x 1	5	1	7.6	91

6 x 1	6	1	8.3	104
7 x 1	7	1	8.5	116
16 AWG (1.5 mm²)				
2 x 1.5	2	1.5	7.2	62
3 x 1.5	3	1.5	7.5	79
4 x 1.5	4	1.5	8.2	97
5 x 1.5	5	1.5	9.1	119
6 x 1.5	6	1.5	9.6	141
7 x 1.5	7	1.5	9.9	158
14 AWG (2.5 mm²)				
2 x 2.5	2	2.5	8.4	85
3 x 2.5	3	2.5	9.0	115
4 x 2.5	4	2.5	9.8	148
5 x 2.5	5	2.5	10.7	176
6 x 2.5	6	2.5	11.6	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.