



YSL11Y

PUR Control Cable



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

YSL11Y is a flexible PVC-insulated, PUR-sheathed control cable designed for demanding industrial environments. It is used for power, control, monitoring and signal transmission where high mechanical strength and oil resistance are required. It is used in: Industrial automation systems, Machine tools (CNC machines), Production and assembly lines, Conveyor systems, Packaging and processing machines, Control panels and electrical cabinets, Plant engineering and factory installations, HVAC equipment, Robotics with occasional flexing, Chemical and petrochemical plants, Mining and heavy industry, Indoor and outdoor installations (depending on the manufacturer's specification).

Also in suitable environments like: dry, damp, and wet locations, oily industrial environments, areas exposed to abrasion and mechanical stress, installations exposed to UV, ozone, and many chemicals (PUR sheath), fixed installation or flexible movement without continuous torsion or tensile load. Main advantages of YSL11Y cable are: excellent oil resistance, high abrasion and tear resistance, resistant to many chemicals, good impact resistance, flexible (Class 5 stranded copper conductors), long service life in harsh industrial conditions.

Standard YSL11Y is not intended for continuous drag-chain (cable carrier) applications. For continuous flexing, use a cable specifically designed for drag chains (e.g., PUR drag chain/control cables).

YSL11Y Construction:
Conductor material:

Class 5 Fine stranded bare copper

Core Insulation:
Outer sheath:

PVC compound TI2 (Polyvinyl chloride)
PUR (Polyurethane)
Colour Orange (RAL 2003) , Oil resistant and
chemical resistance,
Flame retardant according to IEC 60332-1-2

Technical Data:

Insulation resistance:

Nominal voltage:

Test voltage:

Temperature range (for flexible use):

(fixed installation):

Bending radius Ocassional movement)

(Fixed installation)

MΩ x km > 20

Uo/U 300/500 V

3000 V

-5°C to +70 °C

-30°C to +70 °C

20 x OD (overall diameter)

10 x OD (overall diameter)

YSL11Y

Dimensions:

Cable Description	No. of Cores	Nominal Conductor Size (mm ²)	Nominal Cable Diameter (mm)	Nominal Cable Weight (kg/km)
2 x 0.75	2	0.75	5.3	43
3 x 0.75	3	0.75	5.6	56
4 x 0.75	4	0.75	6.1	63
5 x 0.75	5	0.75	6.7	74
7 x 0.75	7	0.75	7.4	96
2 x 1	2	1	5.7	48
3 x 1	3	1	6.0	62
4 x 1	4	1	6.5	76
5 x 1	5	1	7.2	91
7 x 1	7	1	8.1	116
2 x 1.5	2	1.5	6.5	62
3 x 1.5	3	1.5	6.8	79
4 x 1.5	4	1.5	7.6	97
5 x 1.5	5	1.5	8.4	119
7 x 1.5	7	1.5	9.2	158
3 x 2.5	3	2.5	8.4	115
4 x 2.5	4	2.5	9.2	148
5 x 2.5	5	2.5	10.0	176



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.