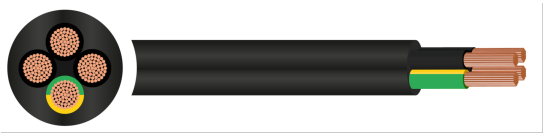
YSLY 0.6/1kV Cable - 0.75mm² to 70mm²



Description

A variation on YY cables, YSLY cables are versatile unshielded PVC control cables primarily used as interconnecting links for measuring, controlling, and regulating industrial equipment. These cables are designed for environments requiring high flexibility and reliability under light to medium mechanical stress. They are widely implemented in industrial automation for assembly and production lines, conveyor systems, and machine tool manufacturing. In mechanical engineering, they are employed for instrumentation and control equipment, tooling machinery, and plant construction, as well as for air-conditioning systems and data processing centres.

These cables are ideally suited for installation in dry, damp, and wet indoor locations, though standard variants are generally not suitable for outdoor use without specific ultraviolet protection. The technical profile of a YSLY cable features a fine-stranded bare copper conductor that allows for high flexibility during free movement without tensile load. While standard versions are typically rated for three hundred to five hundred volts, high-voltage variants reaching zero point six to one kilovolt are available for more demanding power and control requirements. The PVC sheathing also provides essential resistance to mineral oils, common chemicals, and grease.

Various configurations are available to meet specific wiring needs, such as versions that include a green and yellow earth core or those with numbered black cores only. For applications in areas with high concentrations of people where fire safety is a priority, low smoke zero halogen versions are also utilised. This combination of mechanical durability and chemical resistance makes YSLY cables a standard choice for electronic equipment connections and IT systems across various industrial sectors.

Key Features

Voltage Rating
600/1000 Volts

Minimum Bending Radius
Fixed: 4 x overall diameter
Flexing: 8 x overall diameter

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Fixed: -20°C to +70°C
Flexing: -5°C to +70°C

Core Colours

Green Yellow and Black numbered

Standards

- BS EN/IEC 60811-404
- BS EN/IEC 60332-1-2
- BS EN/IEC 60228

Construction

- **Conductor**: Class 5 flexible stranded copper conductor
- **Insulation**: Polyvinyl Chloride (PVC)
- **Outer Sheath**: Special Polyvinyl Chloride Compound (PVC)
- **Sheath Colour**: Black

QA Lab

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

YSLY 0.6/1kV Cable - 0.75mm² to 70mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
YSLY1KV3X/75	0.75	3	8.60	90
YSLY1KV4X/75	0.75	4	9.20	110
YSLY1KV5X/75	0.75	5	9.80	135
YSLY1KV7X/75	0.75	7	11.10	175
YSLY1KV12X/75	0.75	12	13.40	245
YSLY1KV18X/75	0.75	18	15.60	355
YSLY1KV25X/75	0.75	25	18.80	485
YSLY1KV34X/75	0.75	34	21.40	625
YSLY1KV42X/75	0.75	42	23.20	750
YSLY1KV50X/75	0.75	50	25.60	880
YSLY1KV61X/75	0.75	61	28.00	1055
YSLY1KV3X1	1	3	9.00	95
YSLY1KV4X1	1	4	9.50	120
YSLY1KV5X1	1	5	10.40	140
YSLY1KV7X1	1	7	12.00	180
YSLY1KV12X1	1	12	14.50	295
YSLY1KV18X1	1	18	17.30	415
YSLY1KV25X1	1	25	20.90	570
YSLY1KV25X1/5	1.	25	24.10	740
YSLY1KV34X1	1	34	24.00	760
YSLY1KV42X1	1	42	25.70	885
YSLY1KV50X1	1	50	28.40	1070
YSLY1KV3X1/5	1.5	3	10.00	120
YSLY1KV4X1/5	1.5	4	10.60	150
YSLY1KV5X1/5	1.5	5	11.80	180
YSLY1KV7X1/5	1.5	7	13.60	195
YSLY1KV12X1/5	1.5	12	16.50	360
YSLY1KV18X1/5	1.5	18	19.60	520
YSLY1KV34X1/5	1.50	34	27.40	965
YSLY1KV42X1/5	1.5	42	29.50	1120
YSLY1KV50X1/5	1.5	50	32.30	1410
YSLY1KV61X1/5	1.5	61	36.50	1685
YSLY1KV3X2/5	2.5	3	11.20	175
YSLY1KV4X2/5	2.5	4	12.10	210
YSLY1KV5X2/5	2.5	5	13.20	250
YSLY1KV7X2/5	2.5	7	15.20	335
YSLY1KV12X2/5	2.5	12	18.50	550
YSLY1KV18X2/5	2.5	18	21.80	790

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
YSLY1KV3X4	4	3	21.80	230
YSLY1KV4X4	4	4	14.00	315
YSLY1KV5X4	4	5	15.30	405
YSLY1K7X4	4	7	16.90	530
YSLY1KV4X6	6	4	15.70	425
YSLY1KV5X6	6	5	17.90	595
YSLY1KV7X6	6	7	19.50	800
YSLY1KV4X10	10	4	19.40	765
YSLY1KV5X10	10	5	23.00	930
YSLY1KV4X16	16	4	21.70	1100
YSLY1KV5X16	16	5	26.80	1590
YSLY1KV4X25	25	4	30.00	1600
YSLY1KV5X25	25	5	33.80	2045
YSLY1KV4X35	35	4	32.50	2390
YSLY1KV5X35	35	5	36.70	2895
YSLY1KV4X50	50	4	40.00	3400
YSLY1KV4X70	70	4	46.50	4750

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