

## YSLYCY-JZ 600 Screened Control Cable



Eland Product Group: V43

### APPLICATION

Flexible power, process control and instrumentation cable for industry and machinery environment with increased requirements to electromagnetic compatibility. The cable is resistant against UV-irradiation and most usual chemicals, oil and grease. For indoor and outdoor application.

### CONSTRUCTION

#### Conductor

Class 5, Bare Copper, Fine Stranded

#### Insulation

PVC (Polyvinyl Chloride)

#### Inner Sheath

PVC (Polyvinyl Chloride)

#### Screen

Tinned copper braid, 70% coverage

#### Overall Sheath

Special PVC-compound (Polyvinyl Chloride)

### CABLE STANDARDS

VDE 0482-332-1-2/IEC 60332-1-2, EN 60811-2-1



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

### CHARACTERISTICS

#### Nominal Voltage

0.6/1kV

#### Test Voltage

4 kV

#### Temperature Range

Fixed: -20 to +70°C

Moved, During Installation: -5°C to +70°C

#### Maximum Temperature at Conductor

70°C

#### Minimum Bending Radius

Fixed Installation: 5 x overall diameter

Moved Installation: 10 x overall diameter

#### Core Identification

YSLYCY-JZ 600: Green-Yellow with numbers

YSLYCY-OZ 600: numbers

#### Outer Sheath Colour

● Black

## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT mm
V4301041BK000	1	2.5	11.5	272
V4302011BK000	2	0.75	8.7	143
V4302021BK000	2	1	10.8	174
V4302031BK000	2	1.5	10.2	162
V4303011BK000	3	0.75	9	155
V4303021BK000	3	1	11.2	196
V4303031BK000	3	1.5	10.9	187
V4303041BK000	3	2.5	13.5	326
V4303051BK000	3	4	15.1	391
V4304011BK000	4	0.75	11.4	214
V4304021BK000	4	1	11.8	231
V4304031BK000	4	1.5	12.2	265
V4304041BK000	4	2.5	14.6	379
V4304051BK000	4	4	16.7	557
V4304061BK000	4	6	18.7	723
V4304071BK000	4	10	21.9	1267
V4304081BK000	4	16	26.4	1763
V4304091BK000	4	25	32.5	2750
V4304101BK000	4	35	35.7	3497
V4304111BK000	4	50	41.1	4937
V4304121BK000	4	70	48	7480
V4304131BK000	4	95	51.2	10220
V4304141BK000	4	120	58.1	13750
V4304151BK000	4	150	63.8	15990
V4304161BK000	4	185	71	18470
V4305011BK000	5	0.75	12.1	250
V4305021BK000	5	1	12.6	270
V4305031BK000	5	1.5	13.3	289
V4305041BK000	5	2.5	15.7	471
V4305051BK000	5	4	18.6	695
V4305061BK000	5	6	20.7	984
V4305071BK000	5	10	24.1	1635
V4305081BK000	5	16	28.8	2720
V4305091BK000	5	25	35.7	3490
V4305101BK000	5	35	40	4950
V4305111BK000	5	50	44.6	7210
V4305121BK000	5	70	52.5	9390
V4307011BK000	7	0.75	13	319
V4307021BK000	7	1	14.5	289
V4307031BK000	7	1.5	16	416
V4307041BK000	7	2.5	17.9	590
V4307051BK000	7	4	20	874
V4312011BK000	12	0.75	15.8	437
V4312021BK000	12	1	17.4	493
V4312031BK000	12	1.5	19.6	641
V4312041BK000	12	2.5	21.9	897
V4318011BK000	18	0.75	18	588
V4318021BK000	18	1	20.7	658
V4318031BK000	18	1.5	23.4	872

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT mm
V4318041BK000	18	2.5	26.1	1355
V4325011BK000	25	0.75	22.8	746
V4325021BK000	25	1	24.8	870
V4325031BK000	25	1.5	28.2	1211
V4325041BK000	25	2.5	31.9	1995
V4333031BK000	33	1.5	27.3	1203

## ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CONDUCTOR RESISTANCE Ω/Km	BENDING RADIUS, FIXED INSTALLATION mm
1	2.5	7.98	115
2	0.75	26	87
2	1	19.5	108
2	1.5	13.3	102
3	0.75	26	90
3	1	19.5	112
3	1.5	13.3	109
3	2.5	7.98	135
3	4	4.95	151
4	0.75	26	114
4	1	19.5	118
4	1.5	13.3	122
4	2.5	7.98	146
4	4	4.95	167
4	6	3.3	187
4	10	1.91	219
4	16	1.21	264
4	25	0.78	325
4	35	0.554	357
4	50	0.386	411
4	70	0.272	480
4	95	0.206	512
4	120	0.161	581
4	150	0.129	638
4	185	0.106	710
5	0.75	26	121
5	1	19.5	126
5	1.5	13.3	133
5	2.5	7.98	157
5	4	4.95	186
5	6	3.3	207
5	10	1.91	241
5	16	1.21	288
5	25	0.78	357
5	35	0.554	400
5	50	0.386	446
5	70	0.272	525

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CONDUCTOR RESISTANCE Ω/Km	BENDING RADIUS, FIXED INSTALLATION mm
7	0.75	26	130
7	1	19.5	145
7	1.5	13.3	160
7	2.5	7.98	179
7	4	4.95	200
12	0.75	26	158
12	1	19.5	174
12	1.5	13.3	196
12	2.5	7.98	219
18	0.75	26	180
18	1	19.5	207
18	1.5	13.3	234
18	2.5	7.98	261
25	0.75	26	228
25	1	19.5	248
25	1.5	13.3	282
25	2.5	7.98	319
33	1.5	13.3	273

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.