

# Control cable

## YSLY 600



**Application:** Flexible power process control and instrumentation cable for industry, machinery and outdoor environment. For fixed installation in dry and damp rooms as well as outdoors. The cable is largely oil-resistant.

**Construction and technical data:**

CPR-classification according to EN 50575:	Eca
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	PVC
Sheathing material:	special PVC-compound
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Max. temperature at conductor, °C:	80 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-5 - +70 °C
Bending radius, fixed installation:	4 x Ø
Bending radius, moving application:	7.5 x Ø



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

**YSLY-JZ 600**

Nominal voltage Uo:	0.6 kV
Nominal voltage U:	1 kV
Test voltage:	4 kV
Protective conductor:	yes
Core identification:	green-yellow + numbers

part no.	part name	RI [Ohm/km]	Rbv [mm]	Ø [mm]	Cu	G [kg]
033581	03X0.75	26	35	7	22	91
033582	04X0.75	26	37	7.5	29	120
033583	05X0.75	26	40	8	36	134

part no.	part name	RI [Ohm/km]	Rbv [mm]	Ø [mm]	Cu	G [kg]
033585	07X0.75	26	44	9	50.4	177
033589	12X0.75	26	54	12.3	86.4	248
033592	18X0.75	26	62	14.8	130	350
033595	25X0.75	26	76	18	180	478
033597	34X0.75	26	86	20.4	245	626
033601	42X0.75	26	93	22.1	302.4	760
033602	50X0.75	26	102	24.3	360	871
033603	61X0.75	26	113	26.8	439.2	1060
033608	03X1	19.5	36	7.4	29	98
033609	04X1	19.5	38	8.4	38.4	110
033610	05X1	19.5	42	9.2	48	136
033612	07X1	19.5	48	10.6	67.2	179
033615	10X1	19.5	56	12.4	96	268
033616	12X1	19.5	58	12.8	115.2	287
033619	18X1	19.5	69	15.2	173	408
033623	25X1	19.5	84	18.6	240	567
033626	34X1	19.5	96	21.1	326.4	751
033633	50X1	19.5	114	25.1	480	1076
033640	03X1.5	13.3	40	9.1	43.2	100
033641	04X1.5	13.3	43	9.7	58	139
033477	05X1.5	13.3	47	10.5	72	176
032045	07X1.5	13.3	54	12.2	101	192
033647	12X1.5	13.3	66	14.9	173	363
031832	18X1.5	13.3	79	17.7	259.2	520
033653	25X1.5	13.3	96	21.5	360	740
033655	34X1.5	13.3	98	24.5	490	959
033660	61X1.5	13.3	147	33.1	878.4	1680
033665	03X2.5	7.98	45	10.5	72	156
033666	04X2.5	7.98	49	11.3	96	209
033478	05X2.5	7.98	53	12.4	120	252
033667	07X2.5	7.98	61	14.1	168	335
033669	12X2.5	7.98	75	17.4	288	544
033671	18X2.5	7.98	88	20.5	432	788
033673	25X2.5	7.98	108	25	600	1101
033680	03X4	4.95	50	11.8	115.2	225
033681	04X4	4.95	56	13.2	154	311
033682	05X4	4.95	61	14.4	192	398
033683	07X4	4.95	67	15.8	269	524
033686	03X6	3.3	57	13.3	173	325
033687	04X6	3.3	63	14.8	230.4	429
033688	05X6	3.3	72	16.8	288	602
033689	07X6	3.3	79	18.5	403.2	802
033690	03X10	1.91	75	17.6	288	655
033691	04X10	1.91	78	18.5	384	737
033692	05X10	1.91	92	21.9	480	812
033693	07X10	1.91	100	23.8	672	1293
033694	03X16	1.21	79	18.7	461	695
033695	04X16	1.21	88	20.8	614.4	981
033479	05X16	1.21	108	25.7	768	1384
033696	07X16	1.21	123	29.3	1075	1873
033698	04X25	0.78	120	28.5	960	1493
033699	05X25	0.78	135	32.1	1200	1842
033700	07X25	0.78	199	47.2	1680	2850
033702	04X35	0.554	132	28.5	1344	2032
033703	05X35	0.554	148	35.1	1680	2491

part no.	part name	RI [Ohm/km]	Rbv [mm]	Ø [mm]	Cu	G [kg]
033705	04X50	0.386	160	34.2	1920	2556
033706	05X50	0.386	168	38	2400	3645
033708	04X70	0.272	184	39.9	2688	4050
033709	05X70	0.272	188	44.2	3360	5807
033711	04X95	0.206	165	43.7	3648	5246
033712	05X95	0.206	220	52.3	4560	6791
033713	04X120	0.161	260	61.8	4608	6589
033714	04X150	0.129	268	63.7	5760	8252
033715	04X185	0.106	272	64.6	7104	9788

YSLY-OZ 600

Nominal voltage Uo:	0.6 kV
Nominal voltage U:	1 kV
Test voltage:	4 kV
Protective conductor:	no
Core identification:	numbers

part no.	part name	RI [Ohm/km]	Rbv [mm]	Ø [mm]	Cu	G [kg]
033554	02X0.5	39	28	6.7	9.6	66
037508	04X0.5	39	29	7.2	19.2	73.2
033580	02X0.75	26	33	6.7	14.4	81
034936	03X0.75	29	35	7	22	91
033607	02X1	19.5	34	7.6	19.2	84
033734	03X1	19.5	36	7.4	29	98
033639	02X1.5	13.3	38	8.6	29	95
033733	03X1.5	13.3	40	9.1	43.2	100
033664	02X2.5	7.98	43	10	48	160
034979	03X2.5	7.98	40	10.5	72	156
034980	04X2.5	7.98	49	11.3	96	209
033679	02X4	4.95	46	10.7	77	178

YSLY-JB 600

Nominal voltage Uo:	0.6 kV
Nominal voltage U:	1 kV
Test voltage:	4 kV
Protective conductor:	yes
Core identification:	colours acc. to VDE 0293 (HD308)

part no.	part name	RI [Ohm/km]	Rbv [mm]	Ø [mm]	Cu	G [kg]
031830	03X1.5	13.3	41	9.1	43.2	95
037554	03X2.5	7.98	42	10.5	72	156
031829	04X1.5	13.3	39	9.7	58	155
036314	05X50 GY	0.386	156	38	2400	3800

RI	Conductor resistance
Rbv	Bending radius, fixed installation
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000