

Screened control cable

YSLYCY-JZ/-OZ/-JB



Application: Universally applicable: Flexible power, process control and instrumentation cable for industry and machinery environment with increased electromagnetic compatibility requirements for indoor applications. For installation in dry and damp rooms. The cable is largely oil resistant.

Note: Please check also the UV-resistant version CY-JZ 600.

Construction and technical data:

CPR-classification according to EN 50575:	Eca
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	PVC TI2
Material inner sheath:	PVC
Screen:	tinned copper braid
Screen coverage:	70 %
Sheathing material:	PVC YM2
Colour of outer sheath:	grey RAL 7001
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Max. temperature at conductor, °C:	70 °C
Permitted outer cable temperature, fixed, °C:	-40 - +70 °C
Permitted outer cable temperature, moved, °C:	5 - 70 °C
Bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	20 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.

YSLYCY-JZ**Nominal voltage U_o:** 300 V**Nominal voltage U:** 500 V**Test voltage:** 2 kV**Protective conductor:** yes**Core identification:** green-yellow + numbers

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
035257	04X0.5	39	7.6	46.2	116
035258	05X0.5	39	8.1	55	139
035259	18X0.5	39	12.6	145.3	353
030421	03X0.75	26	7.7	69.2	145
030422	04X0.75	26	8.2	87	163
030436	05X0.75	26	9.4	95.1	183
030423	07X0.75	26	9.6	111	233
030437	12X0.75	26	12.5	180.2	384
030438	18X0.75	26	14.1	243	492
030439	25X0.75	26	16.1	312	671
030440	34X0.75	26	18.2	413	822
030532	42X0.75	26	20	445	1002
030562	50X0.75	26	21.6	535	1154
030577	61X0.75	26	23.8	619.8	1435
030424	03X1	19.5	8.3	77	156
030425	04X1	19.5	8.6	97	178
030443	05X1	19.5	9.3	108	209
030444	07X1	19.5	10.1	128.3	255
030445	12X1	19.5	13	210	426
030446	18X1	19.5	14.9	286	552
030447	25X1	19.5	17.2	388.5	766
030448	34X1	19.5	20	505	973
030533	42X1	19.5	21.5	578	1110
030449	50X1	19.5	23.5	688	1322
030563	61X1	19.5	25	770	1596
030426	03X1.5	13.3	9.1	102	200
030427	04X1.5	13.3	9.6	117	247
030420	05X1.5	13.3	10.6	146	304
030428	07X1.5	13.3	11.5	196	393
030451	12X1.5	13.3	14.8	280	615
030429	18X1.5	13.3	17.2	389	793
030430	25X1.5	13.3	20.8	535	1116
030452	34X1.5	13.3	23.3	702	1376
030453	42X1.5	13.3	24.6	845	1596
030454	50X1.5	13.3	26.5	1006	1881
030578	61X1.5	13.3	28.5	1075	2246
030431	03X2.5	7.98	10.6	148	211
030733	04X2.5	7.98	11.8	171.5	298
030534	05X2.5	7.98	12.9	213	326
030535	07X2.5	7.98	14	288	498
030579	12X2.5	7.98	18	477.3	796
030581	18X2.5	7.98	21.4	572	1080
035255	25X2.5	7.98	24.7	780	1320
031319	04X4	4.95	13.4	290	351
031312	05X4	4.95	14.6	328	480
034517	03X6	3.3	14	240	415
031336	04X6	3.3	15.4	360	553

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
031344	05X6	3.3	16.9	441	600
035059	03X10	1.91	17.4	371	628
031335	04X10	1.91	19.8	535	901
031345	05X10	1.91	21.8	714	1048
031320	04X16	1.21	22.5	910	1122
031346	05X16	1.21	25.6	1050	1402
031347	04X25	0.78	28.5	1310	1699
031348	05X25	0.78	31.9	1486	2124

YSLYCY-OZ

Nominal voltage U_o: 300 V
Nominal voltage U: 500 V
Test voltage: 2 kV
Protective conductor: no
Core identification: numbers

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
031341	02X0.75	26	7.5	61.3	108
031599	03X0.75	26	7.9	69.2	145
035172	04X0.75	26	8.4	87	163
035173	05X0.75	26	8.8	95.1	183
031342	02X1	19.5	7.7	66.5	143
031746	03X1	19.5	8.3	77	156
035174	05X1	19.5	9.9	108	209
035175	07X1	19.5	10.5	128.3	255
035176	12X1	19.5	13.3	210	426
035177	25X1	19.5	18.1	388.5	766
035178	34X1	19.5	20.2	505	973
031343	02X1.5	13.3	8.2	86.4	189
031916	03X1.5	13.3	9	102	200
035179	04X2.5	7.98	12.5	171.5	298
035180	04X4	4.95	12.7	290	351

YSLYCY-JB

Nominal voltage U_o: 300 V
Nominal voltage U: 500 V
Test voltage: 2 kV
Protective conductor: yes
Core identification: colours acc. to VDE 0293 (HD308)

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
031669	04X4	4.95	12.7	290	351
031670	04X6	3.3	15.7	360	553
031671	04X10	1.91	19.2	535	901
031672	04X16	1.21	22.9	910	1122
031673	04X25	0.78	28.4	1310	1699
031674	04X35	0.554	33.5	1693	2010
031675	04X50	0.386	40.5	2342	2840
031586	04X70	0.272	47.5	3090	3880
031587	04X95	0.206	53.2	4060	5070
031676	04X120	0.161	55.2	5299	6430
031734	04X150	0.129	70.1	7033	7650

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
031733	04X185	0.106	62.1	9023	9300

RI	Conductor resistance
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000