Control cable
YSLY-JZ/-JB/-OZ/-OB

Application: Universally applicable: Flexible power, process control and instrumentation cable for industrial applications and mechanical engineering for indoor applications. For installation in dry and damp rooms. The cable is resistant to most usual chemicals, oil and grease. Not suitable for constant motion.

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

Construction and technical data:

CPR-classification according to EN 50575:	Eca
Conductor material:	copper, bare
Conductor construction:	Class 5 = fine stranded - DIN EN IEC 60228 (VDE 0295)
Insulation:	PVC TI2
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
Min. bending radius, fixed installation:	4 x Ø
Bending radius, moving application:	15 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

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

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part no.	part name	Rl [Ohm/km]	Ø [mm]	Cu	G [kg]
030643	03X0.5	39	5.1	14.4	47
030644	04X0.5	39	5.7	19.2	58
030645	05X0.5	39	6.2	24	75
030647	07X0.5	39	6.8	33.6	93
030648	08X0.5	39	7	38	115
030649	10X0.5	39	8.6	48	142
030650	12X0.5	39	8.8	58	150
030651	14X0.5	39	9.5	67	172
030604	18X0.5	39	10.5	86	216
031992	19X0.5	39	10.6	91.2	187
030653	21X0.5	39	10.9	101	249
030654	25X0.5	39	12.6	120	257
030860	30X0.5	39	13.4	144	303
030655	34X0.5	39	14.6	163	398
030656	40X0.5	39	15.4	192	452
030657	42X0.5	39	16.2	202	471
030658	50X0.5	39	17.5	240	510
030659	61X0.5	39	19.1	293	670
031196	65X0.5	39	21.4	312	714
030102	03X0.75	26	5.6	22	66
030104	04X0.75	26	6.4	29	78
030105	05X0.75	26	7	36	91
030106	06X0.75	26	7.1	43.2	108
030107	07X0.75	26	7.5	50.4	124
031197	08X0.75	26	8.2	58	143
030861	09X0.75	26	8.7	64.8	162
030109	10X0.75	26	9.8	72	185
030110	12X0.75	26	10	86.4	191
030111	15X0.75	26	11.2	108	229
030112	18X0.75	26	11.8	130	283
031198	20X0.75	26	12.5	144	288
030859	21X0.75	26	13.5	151.2	293
030114	25X0.75	26	13.8	180	388
031300	30X0.75	26	15.2	216	445
030115	32X0.75	26	15.6	230	467
030116	34X0.75	26	15.8	245	546
031199	41X0.75	26	17	295	668
030117	42X0.75	26	17.5	302	673
030118	50X0.75	26	19.8	360	730
030119	61X0.75	26	21.2	439	890
030973	65X0.75	26	24.2	468	948
031200	80X0.75	26	26	576	1165
030121	03X1	19.5	6.1	29	68
030122	04X1	19.5	7	38.4	85
030123	05X1	19.5	7.6	48	110
031318	06X1	19.5	8.1	57.6	135
030125	07X1	19.5	8.2	67	146
030862	08X1	19.5	9.2	76.8	148
030863	09X1	19.5	9.5	86.4	178
030128	10X1	19.5	10.7	96	210
030129	12X1	19.5	10.8	115.2	232
030130	14X1	19.5	11.4	134.4	271
031201	16X1	19.5	12.1	154	300
030131	18X1	19.5	13.1	173	328
030960	19X1	19.5	13.2	183	346

part no.	part name	Rl [Ohm/km]	Ø [mm]	Cu	G [kg]
030132	20X1	19.5	13.7	192	357
031202	21X1	19.5	14	201.6	444
030134	25X1	19.5	16.3	240	531
030135	34X1	19.5	17.7	326.4	618
030864	41X1	19.5	19.2	395	715
030137	42X1	19.5	19.3	403	731
030139	50X1	19.5	21.1	480	843
031203	56X1	19.5	21.8	538	962
030455	61X1	19.5	22.5	586	1080
030981	65X1	19.5	25.7	624	1150
031204	80X1	19.5	27.5	768	1416
034660	100X1	19.5	28.3	960	1602
030141	03X1.5	13.3	6.8	43.2	95
030142	04X1.5	13.3	7.3	58	117
030143	05X1.5	13.3	8.1	72	152
031957	06X1.5	13.3	9.1	86.4	183
030144	07X1.5	13.3	9.2	101	192
030716	08X1.5	13.3	10.1	115.2	205
030704	09X1.5	13.3	10.7	129.6	220
030531	10X1.5	13.3	11.5	144	252
030776	11X1.5	13.3	11.8	158.4	295
030148	12X1.5	13.3	11.7	173	312
030149	14X1.5	13.3	12.6	202	349
031205	16X1.5	13.3	13.6	230	403
030150	18X1.5	13.3	14.5	259.2	456
031206	20X1.5	13.3	16.5	288	507
031207	21X1.5	13.3	17.5	302	573
030152	25X1.5	13.3	17.1	360	638
030153	32X1.5	13.3	19.2	461	820
030154	34X1.5	13.3	19.7	490	860
030155	42X1.5	13.3	21.7	605	1052
030156	50X1.5	13.3	23.7	720	1296
038481	52X1.5	13.3	23	749	1056
030456	61X1.5	13.3	25.4	878.4	1502
031208	65X1.5	13.3	26.3	936	1600
031209	80X1.5	13.3	30.6	1152	1970
031401	100X1.5	13.3	35.2	1440	2460
030158	03X2.5	7.98	8.2	72	148
030159	04X2.5	7.98	9.3	96	236
030160	05X2.5	7.98	10.2	120	263
030161	07X2.5	7.98	11.2	168	298
034781	08X2.5	7.98	13.4	192	339
030169	12X2.5	7.98	14.7	288	522
030163	14X2.5	7.98	15.9	336	588
031210	16X2.5	7.98	19.1	384	665
030164	18X2.5	7.98	18.1	432	749
035797	19X2.5	7.98	18.2	456	670
031211	20X2.5	7.98	20.8	480	832
031212	21X2.5	7.98	21.5	504	928
030165	25X2.5	7.98	21.4	600	1024
030166	34X2.5	7.98	24.6	816	1513
031213	40X2.5	7.98	26.9	960	1660
030576	42X2.5	7.98	27.1	1008	1800
030167	50X2.5	7.98	29.9	1200	2200
030570	61X2.5	7.98	34.4	1464	2553

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part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
031214	03X4	4.95	9.8	115.2	235
030546	04X4	4.95	10.9	154	299
030593	05X4	4.95	12.3	192	363
030597	07X4	4.95	13.9	269	488
031958	12X4	4.95	19.5	460.8	790
031215	03X6	3.3	11.6	172.8	415
030602	04X6	3.3	12.9	230	480
030594	05X6	3.3	14.4	288	583
030598	07X6	3.3	15.7	403	782
032316	19X6	3.3	26.7	1094	1600
031216	03X10	1.91	14.8	288	682
030590	04X10	1.91	16.5	384	737
030595	05X10	1.91	18.4	480	914
030607	07X10	1.91	19.9	672	1191
034556	03X16	1.21	16.9	461	827
030591	04X16	1.21	19.6	614	1087
030596	05X16	1.21	22	768	1370
030732	07X16	1.21	23.9	1075	1779
030600	04X25	0.78	23.8	960	1582
030608	05X25	0.78	27.5	1200	1998
031217	07X25	0.78	31.2	1680	2597
030601	04X35	0.554	28.8	1344	2106
030606	05X35	0.554	31.8	1680	2485
031337	07X35	0.554	38.3	2352	2998
031704	03X50	0.386	27.9	1440	2550
030592	04X50	0.386	34.9	1920	2943
031913	05X50	0.386	38.3	2400	3936

YSLY-OZ

Nominal voltage Uo: 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]
030642	02X0.5	39	4.8	9.6	40
030868	03X0.5	39	5.1	14.4	47
030869	04X0.5	39	5.7	19.2	58
030870	05X0.5	39	6.2	24	75
030871	07X0.5	39	6.8	33.6	93
036936	10X0.5	39	8.6	48	142
030103	02X0.75	26	5.4	15	56
030547	03X0.75	26	5.6	22	66
030548	04X0.75	26	6.4	29	78
030549	05X0.75	26	7	36	91
030633	07X0.75	26	7.5	50.4	124
035873	12X0.75	26	10.4	86.4	191
030168	02X1	19.5	5.6	19.2	53
030624	03X1	19.5	6.1	29	68
030627	04X1	19.5	7	38.4	85
030630	05X1	19.5	7.6	48	110
030634	07X1	19.5	8.2	67	148
032011	12X1	19.5	10.7	115.2	232

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part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
031834	18X1	19.5	12.9	173	300
030140	02X1.5	13.3	6.4	29	78
030625	03X1.5	13.3	6.8	43.2	95
030628	04X1.5	13.3	7.3	58	117
030631	05X1.5	13.3	8.1	72	152
030635	07X1.5	13.3	9.2	101	192
031150	02X2.5	7.98	7.7	48	115
030626	03X2.5	7.98	7.9	72	148
030629	04X2.5	7.98	8.9	96	236
030632	05X2.5	7.98	9.9	120	263
035870	02X4	4.95	9.3	77	195
037494	04X4	4.95	10.9	154	299
035871	02X6	3.3	10.4	115.2	202

YSLY-JB

Nominal voltage Uo: 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]
030865	03X0.5	39	5	14.4	47
030866	04X0.5	39	5.7	19.2	58
030867	05X0.5	39	6.1	24	75
030612	03X0.75	26	5.6	22	66
030616	04X0.75	26	6.4	29	78
030620	05X0.75	26	7	36	91
030613	03X1	19.5	6.1	29	68
030617	04X1	19.5	7	38.4	85
030621	05X1	19.5	7.6	48	110
037047	06X1	19.5	8.1	57.6	135
037048	07X1	19.5	8.2	67	146
034843	10X1	19.5	10.6	96	195
030614	03X1.5	13.3	6.8	43.2	95
030618	04X1.5	13.3	7.3	58	117
030622	05X1.5	13.3	8.1	72	152
030615	03X2.5	7.98	8.1	72	148
030619	04X2.5	7.98	9.1	96	236
030623	05X2.5	7.98	10.2	120	263
034217	07X2.5	7.98	10.9	168	321
031218	03X4	4.95	10.4	115.2	235
030695	04X4	4.95	10.6	154	299
030694	05X4	4.95	12	192	363
034218	07X4	4.95	16.8	269	484
031219	03X6	3.3	12.2	172.8	415
030783	04X6	3.3	12.7	230	480
030693	05X6	3.3	14.2	288	583
034219	07X6	3.3	19.1	403.2	638
031338	03X10	1.91	15.8	288	682
030784	04X10	1.91	16.5	384	737
031223	05X10	1.91	18.5	480	914
034220	07X10	1.91	23	672	1082
034221	03X16	1.21	23.1	461	912

part no.	part name	Rl [Ohm/km]	Ø [mm]	Cu	G [kg]
030785	04X16	1.21	19.7	614	1087
031222	05X16	1.21	21.8	768	1370
034222	03X25	0.78	20.7	720	1388
030692	04X25	0.78	23.4	960	1582
031221	05X25	0.78	25.8	1200	1998
034223	03X35	0.554	24.6	1008	1766
030786	04X35	0.554	28.6	1344	2106
031220	05X35	0.554	31.6	1680	2485
034224	03X50	0.386	30.3	1440	2556
030787	04X50	0.386	34.6	1920	2943
034225	05X50	0.386	38.6	2400	3936
034226	03X70	0.272	37.1	2016	3182
030788	04X70	0.272	42.2	2688	4050
034227	05X70	0.272	46.3	3360	5122
034228	03X95	0.206	41.3	2736	4676
031339	04X95	0.206	46.7	3648	5626
034229	05X95	0.206	50.2	4560	6266
034230	03X120	0.161	46.6	3456	5628
031340	04X120	0.161	52.2	4608	6994
037553	05X120	0.161	56	5760	7100
034231	04X150	0.129	58.9	5760	7570
034232	04X185	0.106	65.8	7104	9102
037551	04X240	0.0801	65.3	9216	11200

YSLY-OB

Nominal voltage Uo: 300 V

Nominal voltage U: 500 V

Test voltage: 2 kV

Protective conductor: no

Core identification: colours acc. to VDE 0293 (HD308)

part no.	part name	Rl [Ohm/km]	Ø [mm]	Cu	G [kg]
031017	02X0.5	39	4.8	9.6	40
031013	03X0.5	39	5.2	14.4	47
030637	02X0.75	26	5.3	15	56
031314	03X0.75	26	5.8	22	66
033440	04X0.75	26	6.1	29	67.28
030638	02X1	19.5	5.6	19.2	57
031426	03X1	19.5	6.1	29	68
030639	02X1.5	13.3	6.2	29	78
031427	03X1.5	13.3	7.3	43.2	95
031224	02X2.5	7.98	8.7	48	115
031810	02X4	4.95	10.1	76.8	187
031313	03X4	4.95	11.8	115.2	235

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