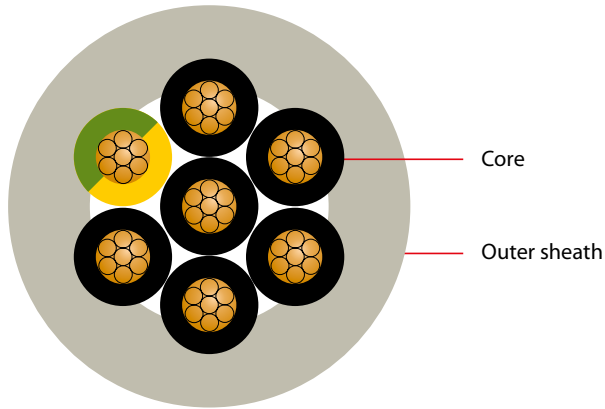


## YSLY-OZ/JZ

**APPLICATION**

Plant manufacturing, power stations, data processing systems and others. Mainly for installation in dry, moist/wet rooms, especially in industrial environments, for average mechanical loads. No direct underground or water installation possible. For free, not constantly recurring movement, without tensile load or forced guidance, as well as for fixed installation. Resistant to UV radiation, acid, alkali and specific oils.

**CONSTRUCTION**

**Conductor:** copper strand, bare, fine-wired acc. to VDE 0295 class 5

**Core insulation:** special PVC insulation

**Core identification:** black with white numbers;

JZ: one core green-yellow in outer layer

**Core stranding:** cores twisted to layers

**Outer sheath:** special PVC-based compound;

colour: silver-grey RAL 7001 or black RAL 9005 (optional)

**ELECTRICAL CHARACTERISTICS**

Insulation resistance min.	20 MΩ x km
Nominal voltage $U_0 / U$	300/500 V
Test voltage	4000 V

**THERMAL & MECHANICAL PROPERTIES**

Temperature range during installation	0°C to +70°C
Temperature range stationary	-40°C to +80°C
Bending radius during installation min.	15 x Diameter
Bending radius stationary min.	4 x diameter

Dimension	Sheath thickness approx. mm	Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
<b>YSLY-OZ</b>				
2 x 0.5	0.7	4.9	34	9.6
3 x 0.5	0.7	5.3	42	14.4
4 x 0.5	0.7	5.7	49	19.2
5 x 0.5	0.7	6.5	65	24
7 x 0.5	0.8	7.0	79	34
8 x 0.5	0.8	8.1	101	38
10 x 0.5	0.9	8.6	114	48
12 x 0.5	1.0	9.2	132	58
14 x 0.5	1.0	10.2	161	67
16 x 0.5	1.0	10.5	173	77
18 x 0.5	1.2	11.5	203	86
40 x 0.5	1.4	15.6	391	192
2 x 0.75	0.8	5.5	45	14.4
3 x 0.75	0.8	5.8	54	21.6
4 x 0.75	0.8	6.4	66	29
5 x 0.75	0.8	6.9	79	36
6 x 0.75	0.8	7.5	94	43.2
7 x 0.75	0.8	7.5	98	50
8 x 0.75	0.9	9.0	132	58
9 x 0.75	0.9	8.9	128	65
10 x 0.75	1.0	9.8	154	72
12 x 0.75	1.0	9.7	162	86
14 x 0.75	1.1	10.8	196	101
18 x 0.75	1.1	11.7	238	130
25 x 0.75	1.3	14.0	333	180
42 x 0.75	1.5	17.4	529	302
2 x 1	0.8	5.9	53	19.2
2 x 1.5	0.8	6.5	67	29
2 x 4	1.0	9.3	152	76.8
2 x 6	1.1	11.1	221	115.2

Subject to changes due to technical progress and error



Dimension	Sheath thickness approx. mm	Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km	Dimension	Sheath thickness approx. mm	Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
<b>YSLY-JZ</b>					<b>YSLY-JZ</b>				
3 x 0.5	0.7	5.3	42	14.4	65 x 0.75	2.0	22.1	835	468
4 x 0.5	0.7	5.7	49	19.2	80 x 0.75	2.0	24.3	1015	576
5 x 0.5	0.7	6.5	65	24					
6 x 0.5	0.8	7.0	76	28.8	3 x 1	0.8	6.2	63	29
7 x 0.5	0.8	7.0	79	34	4 x 1	0.8	6.7	77	38
8 x 0.5	0.8	8.1	101	38	5 x 1	0.8	7.3	94	48
10 x 0.5	0.9	8.6	114	48	6 x 1	0.9	8.2	115	58
12 x 0.5	1.0	9.2	132	58	7 x 1	0.9	8.2	121	67
14 x 0.5	1.0	10.2	161	67	8 x 1	0.9	8.8	136	77
16 x 0.5	1.0	10.5	173	77	9 x 1	1.0	9.8	161	86
21 x 0.5	1.1	11.5	211	101	10 x 1	1.0	10.0	176	96
25 x 0.5	1.2	13.3	265	120	14 x 1	1.1	11.5	237	134
30 x 0.5	1.2	14.4	321	144	16 x 1	1.1	12.0	262	154
34 x 0.5	1.4	15.0	354	163	18 x 1	1.2	12.9	300	173
40 x 0.5	1.4	15.6	391	192	19 x 1	1.2	13.0	309	182.4
42 x 0.5	1.4	16.1	415	201.6	20 x 1	1.3	13.8	340	192
50 x 0.5	1.6	18.4	525	574	21 x 1	1.3	13.7	339	202
61 x 0.5	1.6	18.8	574	293	25 x 1	1.3	14.9	401	240
65 x 0.5	1.6	19.6	628	312	26 x 1	1.3	14.9	408	250
80 x 0.5	2.0	22.4	791	384	27 x 1	1.3	14.9	414	260
					34 x 1	1.5	17.2	547	326
3 x 0.75	0.8	5.8	54	21.6	36 x 1	1.5	17.6	568	345.6
4 x 0.75	0.8	6.4	66	29	37 x 1	1.6	17.3	561	355.2
5 x 0.75	0.8	6.9	79	36	41 x 1	1.6	19.1	660	394
6 x 0.75	0.8	7.5	94	43.2	42 x 1	1.6	19.1	666	403
7 x 0.75	0.8	7.5	98	50	50 x 1	1.7	21.0	795	480
8 x 0.75	0.9	9.0	132	58	61 x 1	1.8	22.1	914	586
9 x 0.75	0.9	8.9	128	65	65 x 1	2.0	23.5	1007	624
10 x 0.75	1.0	9.8	154	72					
12 x 0.75	1.0	9.7	162	86	3 x 1.5	0.8	6.9	82	43
14 x 0.75	1.1	10.8	196	101	4 x 1.5	0.8	7.4	100	58
15 x 0.75	1.1	11.2	206	108	5 x 1.5	0.9	8.3	125	72
16 x 0.75	1.2	12.0	238	116	6 x 1.5	0.9	9.1	149	86.4
18 x 0.75	1.1	11.7	238	130	7 x 1.5	0.9	9.1	158	101
21 x 0.75	1.2	13.3	291	151	8 x 1.5	1.0	9.9	179	115
25 x 0.75	1.3	14.0	333	180	9 x 1.5	1.0	12.0	249	130
27 x 0.75	1.3	14.5	359	195	10 x 1.5	1.1	11.0	224	144
34 x 0.75	1.4	16.4	456	245	11 x 1.5	1.2	12.2	263	158
37 x 0.75	1.4	16.2	466	266.4	12 x 1.5	1.1	11.7	263	173
41 x 0.75	1.5	17.4	524	295	14 x 1.5	1.2	12.9	311	202
42 x 0.75	1.5	17.4	529	302	16 x 1.5	1.2	13.4	342	230
50 x 0.75	1.6	19.2	648	360	18 x 1.5	1.3	14.7	399	259
61 x 0.75	1.7	21.0	767	439	19 x 1.5	1.3	14.7	408	273.6

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Dimension	Sheath thickness approx. mm	Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km	Dimension	Sheath thickness approx. mm	Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
<b>YSLY-JZ</b>					<b>YSLY-JZ</b>				
20 x 1.5	1.5	15.7	453	288	3 x 16	1.5	18.0	720	460.8
21 x 1.5	1.4	15.5	450	302	4 x 16	1.5	19.6	891	614
25 x 1.5	1.5	16.9	544	360	5 x 16	1.7	21.7	1103	768
27 x 1.5	1.5	16.9	552	388.8	7 x 16	1.8	24.2	1435	1075
32 x 1.5	1.6	19.3	695	461	4 x 25	1.8	24.0	1357	960
34 x 1.5	1.6	19.7	726	490	5 x 25	2.0	27.0	1698	1200
41 x 1.5	1.7	21.5	870	591	7 x 25	2.2	29.7	2191	1680
42 x 1.5	1.8	21.6	865	605	4 x 35	2.0	27.2	1815	1344
50 x 1.5	1.9	23.9	1065	720	5 x 35	2.2	30.4	2255	1680
61 x 1.5	2.1	25.6	1252	878	4 x 50	2.5	35.4	2793	1920
65 x 1.5	2.1	26.0	1303	936	4 x 70	3.0	41.8	3888	2688
80 x 1.5	2.5	29.8	1669	1152					
3 x 2.5	0.9	8.3	126	72					
4 x 2.5	0.9	9.0	156	96					
5 x 2.5	1.0	10.1	196	120					
7 x 2.5	1.1	11.3	254	168					
8 x 2.5	1.3	13.5	348	192					
9 x 2.5	1.4	13.8	346	216					
10 x 2.5	1.3	14.6	393	240					
12 x 2.5	1.3	14.7	426	288					
14 x 2.5	1.4	16.1	505	336					
18 x 2.5	1.5	18.1	641	432					
25 x 2.5	1.7	20.8	856	600					
34 x 2.5	2.0	24.6	1181	816					
42 x 2.5	2.3	27.4	1466	1008					
50 x 2.5	2.4	30.1	1750	1200					
3 x 4	1.0	10.1	194	115.2					
4 x 4	1.1	11.0	241	154					
5 x 4	1.2	12.3	301	192					
7 x 4	1.3	13.6	389	269					
12 x 4	1.6	17.8	654	460.8					
3 x 6	1.1	11.6	272	172.8					
4 x 6	1.2	12.8	337	230					
5 x 6	1.3	14.3	421	288					
7 x 6	1.4	15.7	553	403					
3 x 10	1.3	14.7	448	288					
4 x 10	1.4	16.3	569	384					
5 x 10	1.5	18.2	707	480					
7 x 10	1.6	20.0	917	672					

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