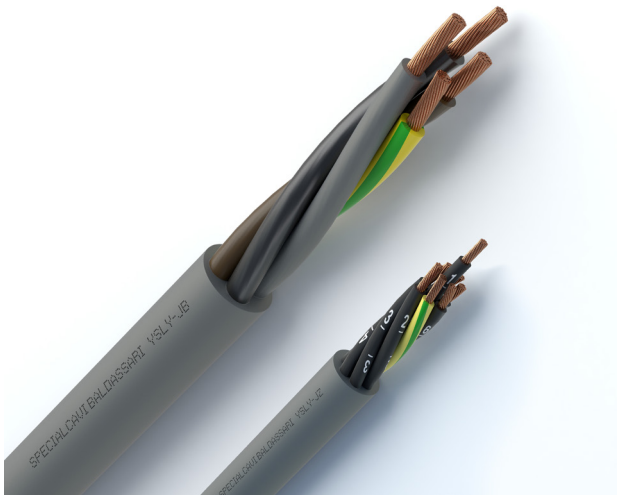




## YSLY -OB/-JB/-OZ/-JZ

Marking: &lt;meters&gt; CE 0987 SPECIALCAVI BALDASSARI YSLY &lt;formation&gt; IEC 60332-3-24 &lt;lot&gt; &lt;year&gt; DCA-S3,D0,A3



## MANUFACTURING CHARACTERISTICS

**Conductor:**

Flexible bare copper, class 5

**Insulation:**

Flame retardant PVC compound

**Stranding:**

Cores twisted/stranded in concentric layers

**Outer sheath:**

Flame retardant PVC compound

**Colours:***Cores identification:*

HD 308 S2 (-OB/-JB)

Black numbered w/ (-JZ) or w/o Green/Yellow (-OZ)

*Outer sheath colour:*

Grey (based on RAL 7001)

## ELECTRICAL CHARACTERISTICS

**Operating voltage:**

- 300/500V section  $\leq 2.5 \text{ mm}^2$
- 450/750V section = 4.00 and 6.00  $\text{mm}^2$
- 0.6/1kV section  $\geq 10.00 \text{ mm}^2$

**Testing voltage:**

- 2000V section  $\leq 2.5 \text{ mm}^2$
- 2500V section = 4.00 and 6.00  $\text{mm}^2$
- 4000V section  $\geq 10.00 \text{ mm}^2$

## APPLICATIONS

Cable conforms to the requirements in the Construction Products Regulations (CPR EU 305/11), aimed at limiting the production and diffusion of fire and smoke.

Multi-core cable for power transport, control, signalling, command and measurement systems with scaled-down outer dimensions and excellent flexibility.

Used in industry for machine cabling, transport systems, production lines and in the connection of air conditioning and heating systems, industrial equipment and power stations. Suitable for installation in dry or damp indoor environments, in static or limited dynamic installation (not permanently in motion) where there is no mechanical stress.

**300/500V and 450/750V: Underground laying is not permitted even if protected.**

**0.6/1kV: Direct or indirect underground laying is permitted.**

## STANDARDS

IEC 60228  
IEC 60332-3-24 Cat.C

## REACTION TO FIRE CLASS

EN 50575:2016 D<sub>ca</sub> - s3, d0, a3

## TEMPERATURES

**Minimum working temperature:**

- Fixed laying -25°C
- Occasional mobile laying w/o stress -5°C

**Maximum working temperature:**

- Fixed laying +70°C
- Occasional mobile laying w/o stress +70°C

**Maximum short circuit temperature: +160°C**

## LAYING CONDITIONS



Minimum installation temperature -5°C



Min. bending radius:  
d8 (fixed laying)  
d15 (occasional mobile laying)



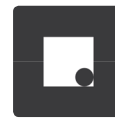
Max tensile stress:  
50N/mm<sup>2</sup> (during installation)  
15N/mm<sup>2</sup> (static stress)



Fixed laying



Occasional mobile laying w/o stress



In open air (0.6/1kV)



In duct or cable tray



In buried trough (0.6/1kV)



Buried with protection (0.6/1kV)



In buried duct (0.6/1kV)



Directly buried (0.6/1kV)

## ON REQUEST

- Customized cores identification/outer sheath colours



## YSLY-OB/-JB/-OZ/-JZ

PART NUMBER	FORMATION	OUTER DIAMETER <sup>1</sup>	WEIGHT <sup>1</sup>	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm <sup>2</sup> ]	[mm]	[kX/km]	[Ohm/km]
*YSLYOZ05002	2 X 0.50	4.5	31	39.00
*YSLYJZ05003	3 X 0.50	4.7	37	39.00
*YSLYJZ05004	4 X 0.50	5.5	49	39.00
*YSLYJZ05005	5 X 0.50	5.9	58	39.00
*YSLYJZ05006	6 X 0.50	6.4	69	39.00
*YSLYJZ05007	7 X 0.50	6.4	73	39.00
*YSLYJZ05008	8 X 0.50	7.7	98	39.00
*YSLYJZ05010	10 X 0.50	8.4	119	39.00
*YSLYJZ05012	12 X 0.50	8.4	127	39.00
*YSLYJZ05014	14 X 0.50	9.0	145	39.00
*YSLYJZ05015	15 X 0.50	9.6	162	39.00
*YSLYJZ05016	16 X 0.50	9.6	166	39.00
*YSLYJZ05018	18 X 0.50	10.1	185	39.00
*YSLYJZ05019	19 X 0.50	10.1	189	39.00
*YSLYJZ05020	20 X 0.50	10.7	207	39.00
*YSLYJZ05021	21 X 0.50	11.2	224	39.00
*YSLYJZ05024	24 X 0.50	12.2	260	39.00
*YSLYJZ05025	25 X 0.50	12.2	264	39.00
*YSLYJZ05027	27 X 0.50	12.2	272	39.00
*YSLYJZ05030	30 X 0.50	12.7	298	39.00
*YSLYJZ05032	32 X 0.50	13.1	318	39.00
*YSLYJZ05034	34 X 0.50	13.8	347	39.00
*YSLYJZ05036	36 X 0.50	13.8	355	39.00
*YSLYJZ05037	37 X 0.50	13.8	359	39.00
*YSLYJZ05041	41 X 0.50	14.9	411	39.00
*YSLYJZ05042	42 X 0.50	14.9	415	39.00
*YSLYJZ05048	48 X 0.50	15.9	470	39.00
*YSLYJZ05050	50 X 0.50	16.3	493	39.00
*YSLYJZ05052	52 X 0.50	16.3	501	39.00
*YSLYJZ05061	61 X 0.50	17.3	575	39.00
*YSLYJZ05065	65 X 0.50	18.6	645	39.00
<b>Separator</b>				
*YSLYOZ07502	2 X 0.75	5.4	44	26.00
*YSLYJZ07503	3 X 0.75	5.6	52	26.00
*YSLYJZ07504	4 X 0.75	6.2	66	26.00
*YSLYJZ07505	5 X 0.75	6.7	80	26.00
*YSLYJZ07506	6 X 0.75	7.5	99	26.00
*YSLYJZ07507	7 X 0.75	7.5	105	26.00
*YSLYJZ07508	8 X 0.75	8.9	135	26.00
*YSLYJZ07510	10 X 0.75	9.9	169	26.00



## YSLY-OB/-JB/-OZ/-JZ

PART NUMBER	FORMATION	OUTER DIAMETER <sup>1</sup>	WEIGHT <sup>1</sup>	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm <sup>2</sup> ]	[mm]	[kg/km]	[Ohm/km]
*YSLYJZ07512	12 X 0.75	9.9	180	26.00
*YSLYJZ07514	14 X 0.75	10.5	206	26.00
*YSLYJZ07515	15 X 0.75	11.0	225	26.00
*YSLYJZ07516	16 X 0.75	11.0	230	26.00
*YSLYJZ07518	18 X 0.75	11.8	263	26.00
*YSLYJZ07519	19 X 0.75	11.8	269	26.00
*YSLYJZ07520	20 X 0.75	12.6	295	26.00
*YSLYJZ07521	21 X 0.75	13.2	319	26.00
*YSLYJZ07524	24 X 0.75	14.2	368	26.00
*YSLYJZ07525	25 X 0.75	14.2	374	26.00
*YSLYJZ07527	27 X 0.75	14.2	385	26.00
*YSLYJZ07530	30 X 0.75	14.8	423	26.00
*YSLYJZ07532	32 X 0.75	15.3	452	26.00
*YSLYJZ07534	34 X 0.75	16.2	493	26.00
*YSLYJZ07536	36 X 0.75	16.2	505	26.00
*YSLYJZ07537	37 X 0.75	16.2	511	26.00
*YSLYJZ07541	41 X 0.75	17.5	585	26.00
*YSLYJZ07542	42 X 0.75	17.5	591	26.00
*YSLYJZ07548	48 X 0.75	18.5	668	26.00
*YSLYJZ07550	50 X 0.75	19.2	706	26.00
*YSLYJZ07552	52 X 0.75	19.2	717	26.00
*YSLYJZ07561	61 X 0.75	20.5	830	26.00
*YSLYJZ07565	65 X 0.75	21.8	917	26.00
*YSLYOZ10002	2 X 1.00	5.8	53	19.50
*YSLYOB1002	2 X 1.00	5.8	53	19.50
*YSLYJZ10003	3 X 1.00	6.1	65	19.50
*YSLYOB10003	3 X 1.00	6.1	65	19.50
*YSLYJB10003	3 X 1.00	6.1	65	19.50
*YSLYJZ10004	4 X 1.00	6.7	82	19.50
*YSLYOB10004	4 X 1.00	6.7	82	19.50
*YSLYJB10004	4 X 1.00	6.7	82	19.50
*YSLYJZ10005	5 X 1.00	7.5	103	19.50
*YSLYJB10005	5 X 1.00	7.5	103	19.50
*YSLYJZ10006	6 X 1.00	8.1	122	19.50
*YSLYJZ10007	7 X 1.00	9.9	130	19.50
*YSLYJZ10008	8 X 1.00	10.8	173	19.50
*YSLYJZ10010	10 X 1.00	10.8	210	19.50
*YSLYJZ10012	12 X 1.00	11.6	226	19.50
*YSLYJZ10014	14 X 1.00	12.3	262	19.50
*YSLYJZ10015	15 X 1.00	12.3	287	19.50
*YSLYJZ10016	16 X 1.00	12.9	295	19.50
*YSLYJZ10018	18 X 1.00	13.9	328	19.50
*YSLYJZ10019	19 X 1.00	14.6	336	19.50
*YSLYJZ10020	20 X 1.00	15.6	375	19.50
*YSLYJZ10021	21 X 1.00	15.6	484	19.50

**YSLY** -OB/-JB/-OZ/-JZ

PART NUMBER	FORMATION	OUTER DIAMETER <sup>1</sup>	WEIGHT <sup>1</sup>	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm <sup>2</sup> ]	[mm]	[kg/km]	[Ohm/km]
*YSLYJZ10024	24 X 1.00	15.6	461	19.50
*YSLYJZ10025	25 X 1.00	15.6	469	19.50
*YSLYJZ10027	27 X 1.00	15.6	484	19.50
*YSLYJZ10030	30 X 1.00	16.4	537	19.50
*YSLYJZ10032	32 X 1.00	17.0	577	19.50
*YSLYJZ10034	34 X 1.00	17.6	616	19.50
*YSLYJZ10036	36 X 1.00	17.6	632	19.50
*YSLYJZ10037	37 X 1.00	17.6	640	19.50
*YSLYJZ10041	41 X 1.00	19.4	744	19.50
*YSLYJZ10042	42 X 1.00	19.4	752	19.50
*YSLYJZ10048	48 X 1.00	20.5	850	19.50
*YSLYJZ10050	50 X 1.00	21.0	890	19.50
*YSLYJZ10052	52 X 1.00	21.0	905	19.50
*YSLYJZ10061	61 X 1.00	22.6	1052	19.50
*YSLYJZ10065	65 X 1.00	24.1	1165	19.50
<b>Separator</b>				
*YSLYOZ15002	2 X 1.50	6.6	73	13.30
*YSLYOB15002	2 X 1.50	6.6	73	13.30
*YSLYJZ15003	3 X 1.50	6.9	89	13.30
*YSLYOB15003	3 X 1.50	6.9	89	13.30
*YSLYJB15003	3 X 1.50	6.9	89	13.30
*YSLYJZ15004	4 X 1.50	7.8	116	13.30
*YSLYOB15004	4 X 1.50	7.8	116	13.30
*YSLYJB15004	4 X 1.50	7.8	116	13.30
*YSLYJZ15005	5 X 1.50	8.7	143	13.30
*YSLYJB15005	5 X 1.50	8.7	143	13.30
*YSLYJZ15006	6 X 1.50	9.6	174	13.30
*YSLYJZ15007	7 X 1.50	9.6	186	13.30
*YSLYJZ15008	8 X 1.50	11.4	242	13.30
*YSLYJZ15010	10 X 1.50	12.7	299	13.30
*YSLYJZ15012	12 X 1.50	12.7	323	13.30
*YSLYJZ15014	14 X 1.50	13.4	367	13.30
*YSLYJZ15015	15 X 1.50	14.4	412	13.30
*YSLYJZ15016	16 X 1.50	14.4	423	13.30
*YSLYJZ15018	18 X 1.50	15.1	471	13.30
*YSLYJZ15019	19 X 1.50	15.1	483	13.30
*YSLYJZ15020	20 X 1.50	16.3	535	13.30
*YSLYJZ15021	21 X 1.50	17.2	582	13.30
*YSLYJZ15024	24 X 1.50	18.4	667	13.30
*YSLYJZ15025	25 X 1.50	18.4	678	13.30
*YSLYJZ15027	27 X 1.50	18.4	702	13.30
*YSLYJZ15030	30 X 1.50	19.3	772	13.30
*YSLYJZ15032	32 X 1.50	20.2	837	13.30
*YSLYJZ15034	34 X 1.50	20.9	895	13.30
*YSLYJZ15036	36 X 1.50	20.9	918	13.30
*YSLYJZ15037	37 X 1.50	20.9	930	13.30

**YSLY-OB/-JB/-OZ/-JZ**

PART NUMBER	FORMATION	OUTER DIAMETER <sup>1</sup>	WEIGHT <sup>1</sup>	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm <sup>2</sup> ]	[mm]	[kg/km]	[Ohm/km]
*YSLYJZ15041	41 X 1.50	23.0	1079	13.30
*YSLYJZ15042	42 X 1.50	23.0	1091	13.30
*YSLYJZ15048	48 X 1.50	24.0	1216	13.30
*YSLYJZ15050	50 X 1.50	24.9	1291	13.30
*YSLYJZ15052	52 X 1.50	24.9	1314	13.30
*YSLYJZ15061	61 X 1.50	26.7	1523	13.30
*YSLYJZ15065	65 X 1.50	28.7	1699	13.30
<b>Separator</b>				
*YSLYOZ25002	2 X 2.50	7.8	108	7.98
*YSLYOB25002	2 X 2.50	7.8	108	7.98
*YSLYJZ25003	3 X 2.50	8.2	135	7.98
*YSLYJB25003	3 X 2.50	8.2	135	7.98
*YSLYJB25003	3 X 2.50	8.2	135	7.98
*YSLYJZ25004	4 X 2.50	9.1	171	7.98
*YSLYOB25004	4 X 2.50	9.1	171	7.98
YSLYJB25004	4 X 2.50	9.1	171	7.98
*YSLYJZ25005	5 X 2.50	10.2	216	7.98
*YSLYJB25005	5 X 2.50	10.2	216	7.98
*YSLYJZ25006	6 X 2.50	11.1	258	7.98
*YSLYJZ25007	7 X 2.50	11.1	277	7.98
*YSLYJZ25008	8 X 2.50	13.5	363	7.98
*YSLYJZ25010	10 X 2.50	15.0	452	7.98
*YSLYJZ25012	12 X 2.50	15.0	491	7.98
*YSLYJZ25014	14 X 2.50	16.1	566	7.98
*YSLYJZ25015	15 X 2.50	17.0	621	7.98
*YSLYJZ25016	16 X 2.50	17.0	640	7.98
*YSLYJZ25018	18 X 2.50	18.1	725	7.98
*YSLYJZ25019	19 X 2.50	18.1	744	7.98
*YSLYJZ25020	20 X 2.50	19.3	812	7.98
*YSLYJZ25021	21 X 2.50	20.5	887	7.98
*YSLYJZ25024	24 X 2.50	21.8	1010	7.98
*YSLYJZ25025	25 X 2.50	21.8	1029	7.98
*YSLYJZ25027	27 X 2.50	21.8	1068	7.98
*YSLYJZ25030	30 X 2.50	23.0	1185	7.98
*YSLYJZ25032	32 X 2.50	23.8	1268	7.98
*YSLYJZ25034	34 X 2.50	24.9	1370	7.98
*YSLYJZ25036	36 X 2.50	24.9	1409	7.98
*YSLYJZ25037	37 X 2.50	24.9	1428	7.98
*YSLYJZ25041	41 X 2.50	27.3	1647	7.98
*YSLYJZ25042	42 X 2.50	27.3	1666	7.98
*YSLYJZ25048	48 X 2.50	28.8	1882	7.98
*YSLYJZ25050	50 X 2.50	29.7	1976	7.98
*YSLYJZ25052	52 X 2.50	29.7	2015	7.98
*YSLYJZ25061	61 X 2.50	31.7	2335	7.98
*YSLYJZ25065	65 X 2.50	34.1	2590	7.98

**YSLY** -OB/-JB/-OZ/-JZ

PART NUMBER [n°]	FORMATION [n° x mm <sup>2</sup> ]	OUTER DIAMETER <sup>1</sup> [mm]	WEIGHT <sup>1</sup> [kg/km]	MAX ELECTRICAL RESISTANCE AT 20°C [Ohm/km]
*YSLYOB40002	2 X 4.00	9.5	164	4.95
*YSLYJB40003	3 X 4.00	9.9	204	4.95
*YSLYJB40004	4 X 4.00	11.2	267	4.95
*YSLYJB40005	5 X 4.00	12.4	329	4.95
*YSLYJZ40007	7 X 4.00	13.7	431	4.95
*YSLYJZ40008	8 X 4.00	15.3	500	4.95
*YSLYJZ40010	10 X 4.00	18.3	692	4.95
*YSLYJZ40012	12 X 4.00	18.3	755	4.95
*YSLYJZ40019	19 X 4.00	22.1	1149	4.95
*YSLYJZ40024	24 X 4.00	26.8	1561	4.95
*YSLYOB60002	2 X 6.00	11.1	233	3.30
*YSLYJB60003	3 X 6.00	11.6	294	3.30
*YSLYJB60004	4 X 6.00	13.2	384	3.30
*YSLYJB60005	5 X 6.00	14.5	473	3.30
*YSLYJZ60007	7 X 6.00	16.1	620	3.30

**YSLY** -OB/-JB/-OZ/-JZ

PART NUMBER [n°]	FORMATION [n° x mm²]	OUTER DIAMETER <sup>1</sup> [mm]	WEIGHT <sup>1</sup> [kg/km]	MAX ELECTRICAL RESISTANCE AT 20°C [Ohm/km]
*YSLYOB100002	2 X 10.00	14.1	378	1.91
*YSLYJB100003	3 X 10.00	14.7	493	1.91
*YSLYJB100004	4 X 10.00	16.6	661	1.91
*YSLYJB100005	5 X 10.00	18.3	787	1.91
*YSLYJZ100007	7 X 10.00	20.3	1037	1.91
<b> </b>				
*YSLYOB160002	2 X 16.00	16.6	532	1.21
*YSLYJB160003	3 X 16.00	17.3	717	1.21
*YSLYJB160004	4 X 16.00	19.5	964	1.21
*YSLYJB160005	5 X 16.00	21.6	1157	1.21
*YSLYJZ160007	7 X 16.00	23.9	1529	1.21
<b> </b>				
*YSLYOB250002	2 X 25.00	20.1	780	0.780
*YSLYJB250003	3 X 25.00	21.0	1064	0.780
*YSLYJB250004	4 X 25.00	23.6	1443	0.780
*YSLYJB250005	5 X 25.00	26.6	1795	0.780
<b> </b>				
*YSLYOB350002	2 X 35.00	22.8	1048	0.554
*YSLYJB350003	3 X 35.00	23.9	1432	0.554
*YSLYJB350004	4 X 35.00	27.2	2001	0.554
*YSLYJB350005	5 X 35.00	30.2	2413	0.554
<b> </b>				
*YSLYOB500002	2 X 50.00	28.6	1566	0.386
*YSLYJB500003	3 X 50.00	30.1	2158	0.386
*YSLYJB500004	4 X 50.00	34.0	2929	0.386
*YSLYJB500005	5 X 50.00	37.9	3532	0.386

**YSLY** -OB/-JB/-OZ/-JZ

PART NUMBER	FORMATION	OUTER DIAMETER <sup>1</sup>	WEIGHT <sup>1</sup>	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm <sup>2</sup> ]	[mm]	[kg/km]	[Ohm/km]
*YSLYOB700002	2 X 70.00	32.1	2046	0.272
*YSLYJB700003	3 X 70.00	34.0	2848	0.272
*YSLYJB700004	4 X 70.00	38.4	3900	0.272
*YSLYJB700005	5 X 70.00	42.7	4708	0.272
*YSLYOB950002	2 X 95.00	37.3	2738	0.206
*YSLYJB950003	3 X 95.00	39.4	3837	0.206
*YSLYJB950004	4 X 95.00	44.5	5244	0.206
*YSLYJB950005	5 X 95.00	49.7	6376	0.206
*YSLYOB1200002	2 X 120.00	40.4	3308	0.161
*YSLYJB1200003	3 X 120.00	42.7	4696	0.161
*YSLYJB1200004	4 X 120.00	48.4	6433	0.161
*YSLYOB1500002	2 X 150.00	45.1	4125	0.129
*YSLYJB1500003	3 X 150.00	47.9	5837	0.129
*YSLYJB1500004	4 X 150.00	54.2	7996	0.129
*YSLYOB1850002	2 X 185.00	49.9	5017	0.106
*YSLYJB1850003	3 X 185.00	52.6	7090	0.106
*YSLYJB1850004	4 X 185.00	59.5	9736	0.106
*YSLYOB2400002	2 X 240.00	55.4	6308	0.0801
*YSLYJB2400003	3 X 240.00	58.7	8992	0.0801
*YSLYJB2400004	4 X 240.00	66.6	12404	0.0801

<sup>1</sup> According to in-stock availability, cable which must be produced on request and minimum quantity

<sup>2</sup> Unless otherwise specified, the values for weight and diameter are indicative.

Note: other values, if available and released for publication, are available on request.