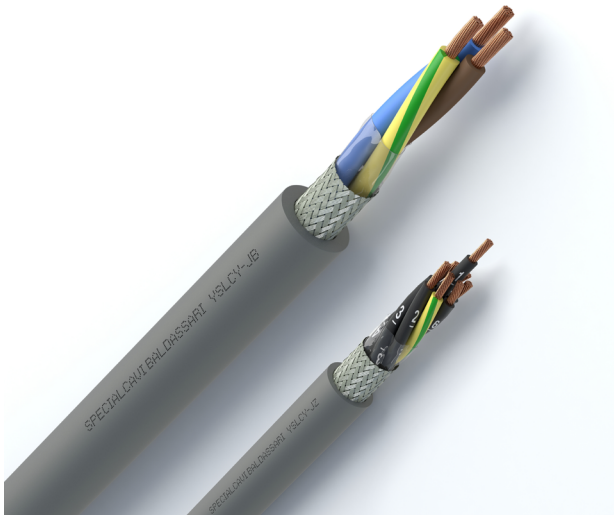




YSLCY -OB/-JB/-OZ/-JZ

Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI YSLCY <formation> IEC 60332-3-24 <lot> <year> DCA-S3,D0,A3



MANUFACTURING CHARACTERISTICS

Core:

Flexible bare copper conductor, class 5

Insulation:

Flame retardant PVC compound

Stranding:

Cores twisted/stranded in concentric layers

Wrapping and protection:

Overall polyester tape

Screen:

Overall tinned copper braid

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 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 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 and for control, signaling, 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. The screening helps to protect against electromagnetic interference.

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
- EN 50363

REACTION TO FIRE CLASS

EN 50575:2016 D_{ca} - 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 0°C



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



Max tensile stress: 50N/mm² (during installation) 15N/mm² (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)

ELECTRICAL CHARACTERISTICS

Operating voltage:

- 300/500V section $\leq 2.5 \text{ mm}^2$
- 450/750V section = 4.00 and 6.00 mm^2
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PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*CYOZ05002	2 X 0.50	5.0	45	39.00
*CYJZ05003	3 X 0.50	5.5	55	39.00
*CYJZ05004	4 X 0.50	5.9	65	39.00
*CYJZ05005	5 X 0.50	6.4	78	39.00
*CYJZ05006	6 X 0.50	6.9	89	39.00
*CYJZ05007	7 X 0.50	6.9	92	39.00
*CYJZ05008	8 X 0.50	8.2	123	39.00
*CYJZ05010	10 X 0.50	9.0	138	39.00
*CYJZ05012	12 X 0.50	9.0	146	39.00
*CYJZ05014	14 X 0.50	9.6	168	39.00
*CYJZ05015	15 X 0.50	10.1	187	39.00
*CYJZ05016	16 X 0.50	10.1	191	39.00
*CYJZ05018	18 X 0.50	10.6	209	39.00
*CYJZ05019	19 X 0.50	10.6	213	39.00
*CYJZ05020	20 X 0.50	11.2	233	39.00
*CYJZ05021	21 X 0.50	11.9	256	39.00
*CYJZ05024	24 X 0.50	12.7	279	39.00
*CYJZ05025	25 X 0.50	12.7	282	39.00
*CYJZ05027	27 X 0.50	12.7	290	39.00
*CYJZ05030	30 X 0.50	13.3	343	39.00
*CYJZ05032	32 X 0.50	14.0	372	39.00
*CYJZ05034	34 X 0.50	14.5	399	39.00
*CYJZ05036	36 X 0.50	14.5	409	39.00
*CYJZ05037	37 X 0.50	14.5	413	39.00
*CYJZ05041	41 X 0.50	15.9	467	39.00
*CYJZ05042	42 X 0.50	15.9	471	39.00
*CYJZ05048	48 X 0.50	16.6	518	39.00
*CYJZ05050	50 X 0.50	17.0	539	39.00
*CYJZ05065	65 X 0.50	19.4	699	39.00
*CYOZ07502	2 X 0.75	5.9	58	26.00
*CYJZ07503	3 X 0.75	6.1	69	26.00
*CYJZ07504	4 X 0.75	6.6	83	26.00
*CYJZ07505	5 X 0.75	7.4	104	26.00
*CYJZ07506	6 X 0.75	8.0	121	26.00
*CYJZ07507	7 X 0.75	8.0	127	26.00
*CYJZ07508	8 X 0.75	9.8	183	26.00
*CYJZ07510	10 X 0.75	10.4	189	26.00
*CYJZ07512	12 X 0.75	10.4	201	26.00
*CYJZ07514	14 X 0.75	10.9	226	26.00
*CYJZ07515	15 X 0.75	11.7	252	26.00
*CYJZ07516	16 X 0.75	11.7	258	26.00
*CYJZ07518	18 X 0.75	12.4	287	26.00
*CYJZ07519	19 X 0.75	12.4	293	26.00
*CYJZ07520	20 X 0.75	13.3	348	26.00
*CYJZ07521	21 X 0.75	14.1	375	26.00
*CYJZ07524	24 X 0.75	14.9	414	26.00
*CYJZ07525	25 X 0.75	14.9	420	26.00



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PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*CYJZ07527	27 X 0.75	14.9	432	26.00
*CYJZ07530	30 X 0.75	15.6	467	26.00
*CYJZ07532	32 X 0.75	16.3	512	26.00
*CYJZ07534	34 X 0.75	16.9	539	26.00
*CYJZ07536	36 X 0.75	16.9	555	26.00
*CYJZ07537	37 X 0.75	16.9	561	26.00
*CYJZ07541	41 X 0.75	18.4	644	26.00
*CYJZ07542	42 X 0.75	18.4	650	26.00
*CYJZ07548	48 X 0.75	19.3	712	26.00
*CYJZ07550	50 X 0.75	19.8	744	26.00
*CYJZ07565	65 X 0.75	22.8	976	26.00
*CYOZ10002	2 X 1.00	6.3	65	19.50
*CYOB10002	2 X 1.00	6.3	65	19.50
*CYJZ10003	3 X 1.00	6.5	81	19.50
*CYOB10003	3 X 1.00	6.5	81	19.50
CYJB10003	3 X 1.00	6.5	81	19.50
*CYJZ10004	4 X 1.00	7.1	99	19.50
*CYOB10004	4 X 1.00	7.1	99	19.50
CYJB10004	4 X 1.00	7.1	99	19.50
*CYJZ10005	5 X 1.00	7.9	123	19.50
CYJB10005	5 X 1.00	7.9	123	19.50
*CYJZ10006	6 X 1.00	8.7	144	19.50
*CYJZ10007	7 X 1.00	8.7	152	19.50
*CYJZ10008	8 X 1.00	10.3	197	19.50
*CYJZ10010	10 X 1.00	11.2	227	19.50
*CYJZ10012	12 X 1.00	11.2	243	19.50
*CYJZ10014	14 X 1.00	12.1	281	19.50
*CYJZ10015	15 X 1.00	12.9	337	19.50
*CYJZ10016	16 X 1.00	12.9	345	19.50
*CYJZ10018	18 X 1.00	13.8	385	19.50
*CYJZ10019	19 X 1.00	13.8	393	19.50
*CYJZ10020	20 X 1.00	14.5	426	19.50
*CYJZ10021	21 X 1.00	15.2	454	19.50
*CYJZ10024	24 X 1.00	16.4	511	19.50
*CYJZ10025	25 X 1.00	16.4	518	19.50
*CYJZ10027	27 X 1.00	16.4	534	19.50
*CYJZ10030	30 X 1.00	17.1	580	19.50
*CYJZ10032	32 X 1.00	17.6	623	19.50
*CYJZ10034	34 X 1.00	18.5	668	19.50
*CYJZ10036	36 X 1.00	18.5	689	19.50
*CYJZ10037	37 X 1.00	18.5	697	19.50
*CYJZ10041	41 X 1.00	20.2	796	19.50
*CYJZ10042	42 X 1.00	20.2	804	19.50
*CYJZ10048	48 X 1.00	21.1	883	19.50
*CYJZ10050	50 X 1.00	21.7	926	19.50
*CYJZ10065	65 X 1.00	24.9	1210	19.50



YSLCY -OB/-JB/-OZ/-JZ

PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*CYOZ15002	2 X 1.50	7.1	85	13.30
*CYOB15002	2 X 1.50	7.1	85	13.30
*CYJZ15003	3 X 1.50	7.6	109	13.30
*CYOB15003	3 X 1.50	7.6	109	13.30
*CYJB15003	3 X 1.50	7.6	109	13.30
*CYJZ15004	4 X 1.50	8.3	136	13.30
*CYOB15004	4 X 1.50	8.3	136	13.30
*CYJB15004	4 X 1.50	8.3	136	13.30
*CYJZ15005	5 X 1.50	9.5	188	13.30
*CYJB15005	5 X 1.50	9.5	188	13.30
*CYJZ15006	6 X 1.50	10.1	200	13.30
*CYJZ15007	7 X 1.50	10.1	212	13.30
*CYJZ15010	10 X 1.50	13.4	344	13.30
*CYJZ15012	12 X 1.50	13.4	367	13.30
*CYJZ15014	14 X 1.50	14.3	423	13.30
*CYJZ15015	15 X 1.50	15.0	458	13.30
*CYJZ15016	16 X 1.50	15.0	469	13.30
*CYJZ15018	18 X 1.50	16.1	534	13.30
*CYJZ15019	19 X 1.50	16.1	546	13.30
*CYJZ15020	20 X 1.50	17.0	585	13.30
*CYJZ15021	21 X 1.50	18.0	640	13.30
*CYJZ15024	24 X 1.50	19.2	710	13.30
*CYJZ15025	25 X 1.50	19.2	721	13.30
*CYJZ15027	27 X 1.50	19.2	745	13.30
*CYJZ15030	30 X 1.50	20.1	815	13.30
*CYJZ15032	32 X 1.50	20.8	879	13.30
*CYJZ15034	34 X 1.50	21.6	930	13.30
*CYJZ15036	36 X 1.50	21.6	961	13.30
*CYJZ15037	37 X 1.50	21.6	973	13.30
*CYJZ15041	41 X 1.50	23.6	1111	13.30
*CYJZ15042	42 X 1.50	23.6	1123	13.30
*CYJZ15048	48 X 1.50	24.9	1249	13.30
*CYJZ15050	50 X 1.50	25.6	1310	13.30
*CYJZ15065	65 X 1.50	29.6	1760	13.30
*CYOZ25002	2 X 2.50	8.3	120	7.98
*CYOB25002	2 X 2.50	8.3	120	7.98
*CYJZ25003	3 X 2.50	8.7	151	7.98
*CYOB25003	3 X 2.50	8.7	151	7.98
*CYJB25003	3 X 2.50	8.7	151	7.98
*CYJZ25004	4 X 2.50	9.8	194	7.98
*CYOB25004	4 X 2.50	9.8	194	7.98
*CYJB25004	4 X 2.50	9.8	194	7.98
*CYJZ25005	5 X 2.50	10.7	238	7.98
*CYJB25005	5 X 2.50	10.7	238	7.98
*CYJZ25006	6 X 2.50	11.8	287	7.98
*CYJZ25007	7 X 2.50	11.8	306	7.98



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PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*CYJZ25008	8 X 2.50	14.4	429	7.98
*CYJZ25010	10 X 2.50	15.9	502	7.98
*CYJZ25012	12 X 2.50	15.9	541	7.98
*CYJZ25014	14 X 2.50	16.8	609	7.98
*CYJZ25015	15 X 2.50	17.7	671	7.98
*CYJZ25016	16 X 2.50	17.7	691	7.98
*CYJZ25018	18 X 2.50	18.8	772	7.98
*CYJZ25019	19 X 2.50	18.8	792	7.98
*CYJZ25020	20 X 2.50	20.2	868	7.98
*CYJZ25021	21 X 2.50	21.2	937	7.98
*CYJZ25024	24 X 2.50	22.7	1045	7.98
*CYJZ25025	25 X 2.50	22.7	1065	7.98
*CYJZ25027	27 X 2.50	22.7	1104	7.98
*CYJZ25030	30 X 2.50	23.6	1203	7.98
*CYJZ25032	32 X 2.50	24.7	1311	7.98
*CYJZ25034	34 X 2.50	25.6	1386	7.98
*CYJZ25036	36 X 2.50	25.6	1436	7.98
*CYJZ25037	37 X 2.50	25.6	1456	7.98
*CYOB40002	2 X 4.00	10.0	169	4.95
*CYJB40003	3 X 4.00	10.4	221	4.95
*CYJB40004	4 X 4.00	11.7	284	4.95
*CYJB40005	5 X 4.00	13.1	381	4.95
*CYJZ40007	7 X 4.00	14.4	489	4.95
*CYJZ40008	8 X 4.00	16.0	573	4.95
*CYJZ40010	10 X 4.00	19.1	732	4.95
*CYJZ40012	12 X 4.00	19.1	795	4.95
*CYJZ40019	19 X 4.00	22.9	1194	4.95
*CYJZ40024	24 X 4.00	27.7	1616	4.95
*CYOB60002	2 X 6.00	11.6	233	3.30
*CYJB60003	3 X 6.00	12.2	309	3.30
*CYJB60004	4 X 6.00	13.9	443	3.30
*CYJB60005	5 X 6.00	15.1	519	3.30
*CYJZ60007	7 X 6.00	16.8	676	3.30
*CYOB100002	2 X 10.00	14.1	378	1.91
*CYJB100003	3 X 10.00	14.7	493	1.91
*CYJB100004	4 X 10.00	16.6	661	1.91
*CYJB100005	5 X 10.00	18.3	787	1.91
*CYJZ100007	7 X 10.00	20.3	1037	1.91
CYOB160002	2 X 16.00	16.6	532	1.21
*CYJB160003	3 X 16.00	17.3	717	1.21
*CYJB160004	4 X 16.00	19.5	964	1.21
*CYJB160005	5 X 16.00	21.6	1157	1.21
*CYJZ160007	7 X 16.00	23.9	1529	1.21

**YSLCY** -OB/-JB/-OZ/-JZ

PART NUMBER [n°]	FORMATION [n° x mm ²]	OUTER DIAMETER ¹ [mm]	WEIGHT ¹ [kg/km]	MAX ELECTRICAL RESISTANCE AT 20°C [Ohm/km]
*CYOB250002	2 X 25.00	20.1	780	0.780
*CYJB250003	3 X 25.00	21.0	1064	0.780
*CYJB250004	4 X 25.00	23.6	1443	0.780
*CYJB250005	5 X 25.00	26.6	1795	0.780
*CYOB350002	2 X 35.00	22.8	1048	0.554
*CYJB350003	3 X 35.00	23.9	1432	0.554
*CYJB350004	4 X 35.00	27.2	2001	0.554
*CYJB350005	5 X 35.00	30.2	2413	0.554
*CYOB500002	2 X 50.00	28.6	1566	0.386
*CYJB500003	3 X 50.00	30.1	2158	0.386
*CYJB500004	4 X 50.00	34.0	2929	0.386
*CYJB500005	5 X 50.00	37.9	3532	0.386
*CYOB700002	2 X 70.00	32.1	2046	0.272
*CYJB700003	3 X 70.00	34.0	2848	0.272
*CYJB700004	4 X 70.00	38.4	3900	0.272
*CYJB700005	5 X 70.00	42.7	4708	0.272
*CYOB950002	2 X 95.00	37.3	2738	0.206
*CYJB950003	3 X 95.00	39.4	3837	0.206
*CYJB950004	4 X 95.00	44.5	5244	0.206
*CYJB950005	5 X 95.00	49.7	6376	0.206
*CYOB1200002	2 X 120.00	40.4	3308	0.161
*CYJB1200003	3 X 120.00	42.7	4696	0.161
*CYJB1200004	4 X 120.00	48.4	6433	0.161
*CYOB1500002	2 X 150.00	45.1	4125	0.129
*CYJB1500003	3 X 150.00	47.9	5837	0.129
*CYJB1500004	4 X 150.00	54.2	7996	0.129
*CYOB1850002	2 X 185.00	49.9	5017	0.106
*CYJB1850003	3 X 185.00	52.6	7090	0.106
*CYJB1850004	4 X 185.00	59.5	9736	0.106
*CYOB2400002	2 X 240.00	55.4	6308	0.0801
*CYJB2400003	3 X 240.00	58.7	8992	0.0801
*CYJB2400004	4 X 240.00	66.6	12404	0.0801

¹ According to in-stock availability, cable which must be produced on request and minimum quantity
¹ Unless otherwise specified, the values for weight and diameter are indicative.
Note: other values, if available and released for publication, are available on request.

ON REQUEST

- Customized cores identification/outer sheath colour