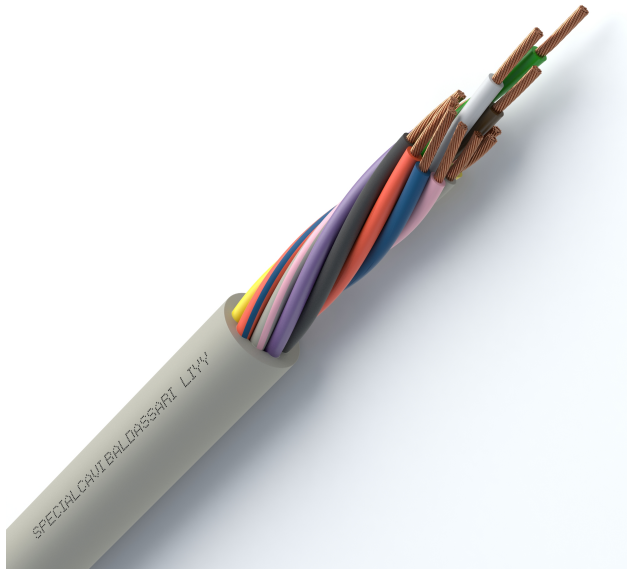




LIYY -DIN

Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI LIYY <formation> IEC 60332-3-24 <lot> <year> CCA-S2,D0,A3



MANUFACTURING CHARACTERISTICS

Conductor:

Flexible bare copper, class 5

Insulation:

PVC compound, flame retardant

Stranding:

Cores twisted/stranded in concentric layers

Outer sheath:

PVC compound, flame retardant

Colours:*Cores identification:*

DIN 47100

Outer sheath colour:

Grey (based on RAL 7001)

ELECTRICAL CHARACTERISTICS

Operating voltage:

- 300/500V section $\leq 0,75 \text{ mm}^2$
- 450/750V section $\geq 1,00 \text{ mm}^2$

Sheath operating voltage: 450/750V**Testing voltage:**

- 2000V section $\leq 0,75 \text{ mm}^2$
- 2500V section $\geq 1,00 \text{ mm}^2$

Min. insulation resistance at 20°C > 200M Ω xKm

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 control, signalling, command and measurement systems with scaled-down outer dimension and excellent flexibility.

Commonly used in intercoms, electronic control equipment, office machines, measuring devices, and generally wherever a small diameter cable is required.

It has excellent flexibility and it's lightweight.

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.

Underground laying is not permitted even if protected.

STANDARDS

IEC 60228
IEC 60332-3-24 Cat.C

REACTION TO FIRE CLASS

EN 50575:2016 $C_{ca} - s2, d0, a3$

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/mm² (during installation)
15N/mm² (static stress)

Fixed laying



Occasional mobile laying w/o stress



In duct or cable tray



In open air

ON REQUEST

- Customized cores identification/outer sheath colours



PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*YZ02502	2 X 0.25	3.8	20	75.00
*YZ02503	3 X 0.25	4.0	24	75.00
*YZ02504	4 X 0.25	4.3	29	75.00
*YZ02505	5 X 0.25	4.7	35	75.00
*YZ02506	6 X 0.25	5.4	44	75.00
*YZ02507	7 X 0.25	5.4	46	75.00
*YZ02508	8 X 0.25	6.2	58	75.00
*YZ02510	10 X 0.25	6.8	71	75.00
*YZ02512	12 X 0.25	6.8	75	75.00
*YZ02514	14 X 0.25	7.1	84	75.00
*YZ02515	15 X 0.25	7.7	96	75.00
*YZ02516	16 X 0.25	7.7	98	75.00
*YZ02518	18 X 0.25	8.1	109	75.00
*YZ02519	19 X 0.25	8.1	111	75.00
*YZ02520	20 X 0.25	8.5	121	75.00
*YZ02521	21 X 0.25	9.0	131	75.00
*YZ02524	24 X 0.25	9.8	154	75.00
*YZ02525	25 X 0.25	9.8	156	75.00
*YZ02527	27 X 0.25	9.8	159	75.00
Separator				
*YZ03402	2 X 0.34	4.3	26	53.00
*YZ03403	3 X 0.34	4.5	31	53.00
*YZ03404	4 X 0.34	4.9	38	53.00
*YZ03405	5 X 0.34	5.7	49	53.00
*YZ03406	6 X 0.34	6.1	57	53.00
*YZ03407	7 X 0.34	6.1	60	53.00
*YZ03408	8 X 0.34	7.2	80	53.00
*YZ03410	10 X 0.34	8.0	99	53.00
*YZ03412	12 X 0.34	8.0	104	53.00
*YZ03414	14 X 0.34	8.4	117	53.00
*YZ03415	15 X 0.34	9.0	130	53.00
*YZ03416	16 X 0.34	9.0	132	53.00
*YZ03418	18 X 0.34	9.6	150	53.00
*YZ03419	19 X 0.34	9.6	153	53.00
*YZ03420	20 X 0.34	10.2	169	53.00
*YZ03421	21 X 0.34	10.7	184	53.00
*YZ03424	24 X 0.34	11.3	207	53.00
*YZ03425	25 X 0.34	11.3	210	53.00
*YZ03427	27 X 0.34	11.3	215	53.00
Separator				
*YZ05002	2 X 0.50	4.5	31	39.00
*YZ05003	3 X 0.50	4.7	37	39.00
*YZ05004	4 X 0.50	5.5	49	39.00
*YZ05005	5 X 0.50	5.9	58	39.00
*YZ05006	6 X 0.50	6.4	69	39.00
*YZ05007	7 X 0.50	6.4	73	39.00
*YZ05008	8 X 0.50	7.7	98	39.00

LiYY -DIN

PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*YZ05010	10 X 0.50	8.4	119	39.00
*YZ05012	12 X 0.50	8.4	127	39.00
*YZ05014	14 X 0.50	9.0	145	39.00
*YZ05015	15 X 0.50	9.6	162	39.00
*YZ05016	16 X 0.50	9.6	166	39.00
*YZ05018	18 X 0.50	10.1	185	39.00
*YZ05019	19 X 0.50	10.1	189	39.00
*YZ05020	20 X 0.50	10.7	207	39.00
*YZ05021	21 X 0.50	11.2	224	39.00
*YZ05024	24 X 0.50	12.2	260	39.00
*YZ05025	25 X 0.50	12.2	264	39.00
*YZ05027	27 X 0.50	12.2	272	39.00
 				
*YZ07502	2 X 0.75	5.4	44	26.00
*YZ07503	3 X 0.75	5.6	52	26.00
*YZ07504	4 X 0.75	6.2	66	26.00
*YZ07505	5 X 0.75	6.7	80	26.00
*YZ07506	6 X 0.75	7.5	99	26.00
*YZ07507	7 X 0.75	7.5	105	26.00
*YZ07508	8 X 0.75	8.9	135	26.00
*YZ07510	10 X 0.75	9.9	169	26.00
*YZ07512	12 X 0.75	9.9	180	26.00
*YZ07514	14 X 0.75	10.5	206	26.00
*YZ07515	15 X 0.75	11.0	225	26.00
*YZ07516	16 X 0.75	11.0	230	26.00
*YZ07518	18 X 0.75	11.8	263	26.00
*YZ07519	19 X 0.75	11.8	269	26.00
*YZ07520	20 X 0.75	12.6	295	26.00
*YZ07521	21 X 0.75	13.2	319	26.00
*YZ07524	24 X 0.75	14.2	368	26.00
*YZ07525	25 X 0.75	14.2	374	26.00
*YZ07527	27 X 0.75	14.2	385	26.00
 				
*YZ10002	2 X 1.00	5.8	53	19.50
*YZ10003	3 X 1.00	6.1	65	19.50
*YZ10004	4 X 1.00	6.7	82	19.50
*YZ10005	5 X 1.00	7.5	103	19.50
*YZ10006	6 X 1.00	8.1	122	19.50
*YZ10007	7 X 1.00	8.1	130	19.50
*YZ10008	8 X 1.00	9.9	173	19.50
*YZ10010	10 X 1.00	10.8	210	19.50
*YZ10012	12 X 1.00	10.8	226	19.50
*YZ10014	14 X 1.00	11.6	262	19.50
*YZ10015	15 X 1.00	12.3	287	19.50
*YZ10016	16 X 1.00	12.3	295	19.50
*YZ10018	18 X 1.00	12.9	328	19.50
*YZ10019	19 X 1.00	12.9	336	19.50
*YZ10020	20 X 1.00	13.9	375	19.50

PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*YZ10021	21 X 1.00	14.6	406	19.50
*YZ10024	24 X 1.00	15.6	461	19.50
*YZ10025	25 X 1.00	15.6	469	19.50
*YZ10027	27 X 1.00	15.6	484	19.50
Separator				
*YZ15002	2 X 1.50	6.6	73	13.30
*YZ15003	3 X 1.50	6.9	89	13.30
*YZ15004	4 X 1.50	7.8	116	13.30
*YZ15005	5 X 1.50	8.7	143	13.30
*YZ15006	6 X 1.50	9.6	174	13.30
*YZ15007	7 X 1.50	9.6	186	13.30
*YZ15008	8 X 1.50	11.4	242	13.30
*YZ15010	10 X 1.50	12.7	299	13.30
*YZ15012	12 X 1.50	12.7	323	13.30
*YZ15014	14 X 1.50	13.4	367	13.30
*YZ15015	15 X 1.50	14.4	412	13.30
*YZ15016	16 X 1.50	14.4	423	13.30
*YZ15018	18 X 1.50	15.1	471	13.30
*YZ15019	19 X 1.50	15.1	483	13.30
*YZ15020	20 X 1.50	16.3	535	13.30
*YZ15021	21 X 1.50	17.2	582	13.30
*YZ15024	24 X 1.50	18.4	667	13.30
*YZ15025	25 X 1.50	18.4	678	13.30
*YZ15027	27 X 1.50	18.4	702	13.30
Separator				
*YZ25002	2 X 2.50	7.8	108	7.98
*YZ25003	3 X 2.50	8.2	135	7.98
*YZ25004	4 X 2.50	9.1	171	7.98
*YZ25005	5 X 2.50	10.2	216	7.98
*YZ25006	6 X 2.50	11.1	258	7.98
*YZ25007	7 X 2.50	11.1	277	7.98
*YZ25008	8 X 2.50	13.5	363	7.98
*YZ25010	10 X 2.50	15.0	452	7.98
*YZ25012	12 X 2.50	15.0	491	7.98
*YZ25014	14 X 2.50	16.1	566	7.98
*YZ25015	15 X 2.50	17.0	621	7.98
*YZ25016	16 X 2.50	17.0	640	7.98
*YZ25018	18 X 2.50	18.1	725	7.98
*YZ25019	19 X 2.50	18.1	744	7.98
*YZ25020	20 X 2.50	19.3	812	7.98
*YZ25021	21 X 2.50	20.5	887	7.98
*YZ25024	24 X 2.50	21.8	1010	7.98
*YZ25025	25 X 2.50	21.8	1029	7.98
*YZ25027	27 X 2.50	21.8	1068	7.98

¹ According to in-stock availability, cable which must be produced on request and minimum quantity
² Unless otherwise specified, the values for weight and diameter are indicative.
 Note: other values, if available and released for publication, are available on request.