

**LIYY -DIN**

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



STANDARDS

IEC 60228
IEC 60332-3-24 Cat.C

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

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:*

DIN 47100

Outer sheath colour:

Grey (based on RAL 7001)

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

ELECTRICAL CHARACTERISTICS

Operating voltage: 300/500V**Testing voltage:** 2000V

ON REQUEST

- Customized cores identification/outer sheath colours

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.



PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*YSLYDIN02502	2 X 0.25	3.8	20	75.00
*YSLYDIN02503	3 X 0.25	4.0	24	75.00
*YSLYDIN02504	4 X 0.25	4.3	29	75.00
*YSLYDIN02505	5 X 0.25	4.7	35	75.00
*YSLYDIN02506	6 X 0.25	5.4	44	75.00
*YSLYDIN02507	7 X 0.25	5.4	46	75.00
*YSLYDIN02508	8 X 0.25	6.2	58	75.00
*YSLYDIN02510	10 X 0.25	6.8	71	75.00
*YSLYDIN02512	12 X 0.25	6.8	75	75.00
*YSLYDIN02514	14 X 0.25	7.1	84	75.00
*YSLYDIN02515	15 X 0.25	7.7	96	75.00
*YSLYDIN02516	16 X 0.25	7.7	98	75.00
*YSLYDIN02518	18 X 0.25	8.1	109	75.00
*YSLYDIN02519	19 X 0.25	8.1	111	75.00
*YSLYDIN02520	20 X 0.25	8.5	121	75.00
*YSLYDIN02521	21 X 0.25	9.0	131	75.00
*YSLYDIN02524	24 X 0.25	9.8	154	75.00
*YSLYDIN02525	25 X 0.25	9.8	156	75.00
*YSLYDIN02527	27 X 0.25	9.8	159	75.00
Separator				
*YSLYDIN03402	2 X 0.34	4.3	26	53.00
*YSLYDIN03403	3 X 0.34	4.5	31	53.00
*YSLYDIN03404	4 X 0.34	4.9	38	53.00
*YSLYDIN03405	5 X 0.34	5.7	49	53.00
*YSLYDIN03406	6 X 0.34	6.1	57	53.00
*YSLYDIN03407	7 X 0.34	6.1	60	53.00
*YSLYDIN03408	8 X 0.34	7.2	80	53.00
*YSLYDIN03410	10 X 0.34	8.0	99	53.00
*YSLYDIN03412	12 X 0.34	8.0	104	53.00
*YSLYDIN03414	14 X 0.34	8.4	117	53.00
*YSLYDIN03415	15 X 0.34	9.0	130	53.00
*YSLYDIN03416	16 X 0.34	9.0	132	53.00
*YSLYDIN03418	18 X 0.34	9.6	150	53.00
*YSLYDIN03419	19 X 0.34	9.6	153	53.00
*YSLYDIN03420	20 X 0.34	10.2	169	53.00
*YSLYDIN03421	21 X 0.34	10.7	184	53.00
*YSLYDIN03424	24 X 0.34	11.3	207	53.00
*YSLYDIN03425	25 X 0.34	11.3	210	53.00
*YSLYDIN03427	27 X 0.34	11.3	215	53.00
Separator				
*YSLYDIN05002	2 X 0.50	4.5	31	39.00
*YSLYDIN05003	3 X 0.50	4.7	37	39.00
*YSLYDIN05004	4 X 0.50	5.5	49	39.00
*YSLYDIN05005	5 X 0.50	5.9	58	39.00
*YSLYDIN05006	6 X 0.50	6.4	69	39.00
*YSLYDIN05007	7 X 0.50	6.4	73	39.00
*YSLYDIN05008	8 X 0.50	7.7	98	39.00

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[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*YSLYDIN05010	10 X 0.50	8.4	119	39.00
*YSLYDIN05012	12 X 0.50	8.4	127	39.00
*YSLYDIN05014	14 X 0.50	9.0	145	39.00
*YSLYDIN05015	15 X 0.50	9.6	162	39.00
*YSLYDIN05016	16 X 0.50	9.6	166	39.00
*YSLYDIN05018	18 X 0.50	10.1	185	39.00
*YSLYDIN05019	19 X 0.50	10.1	189	39.00
*YSLYDIN05020	20 X 0.50	10.7	207	39.00
*YSLYDIN05021	21 X 0.50	11.2	224	39.00
*YSLYDIN05024	24 X 0.50	12.2	260	39.00
*YSLYDIN05025	25 X 0.50	12.2	264	39.00
*YSLYDIN05027	27 X 0.50	12.2	272	39.00

*YSLYDIN07502	2 X 0.75	5.4	44	26.00
*YSLYDIN07503	3 X 0.75	5.6	52	26.00
*YSLYDIN07504	4 X 0.75	6.2	66	26.00
*YSLYDIN07505	5 X 0.75	6.7	80	26.00
*YSLYDIN07506	6 X 0.75	7.5	99	26.00
*YSLYDIN07507	7 X 0.75	7.5	105	26.00
*YSLYDIN07508	8 X 0.75	8.9	135	26.00
*YSLYDIN07510	10 X 0.75	9.9	169	26.00
*YSLYDIN07512	12 X 0.75	9.9	180	26.00
*YSLYDIN07514	14 X 0.75	10.5	206	26.00
*YSLYDIN07515	15 X 0.75	11.0	225	26.00
*YSLYDIN07516	16 X 0.75	11.0	230	26.00
*YSLYDIN07518	18 X 0.75	11.8	263	26.00
*YSLYDIN07519	19 X 0.75	11.8	269	26.00
*YSLYDIN07520	20 X 0.75	12.6	295	26.00
*YSLYDIN07521	21 X 0.75	13.2	319	26.00
*YSLYDIN07524	24 X 0.75	14.2	368	26.00
*YSLYDIN07525	25 X 0.75	14.2	374	26.00
*YSLYDIN07527	27 X 0.75	14.2	385	26.00

*YSLYDIN10002	2 X 1.00	5.8	53	19.50
*YSLYDIN10003	3 X 1.00	6.1	65	19.50
*YSLYDIN10004	4 X 1.00	6.7	82	19.50
*YSLYDIN10005	5 X 1.00	7.5	103	19.50
*YSLYDIN10006	6 X 1.00	8.1	122	19.50
*YSLYDIN10007	7 X 1.00	8.1	130	19.50
*YSLYDIN10008	8 X 1.00	9.9	173	19.50
*YSLYDIN10010	10 X 1.00	10.8	210	19.50
*YSLYDIN10012	12 X 1.00	10.8	226	19.50
*YSLYDIN10014	14 X 1.00	11.6	262	19.50
*YSLYDIN10015	15 X 1.00	12.3	287	19.50
*YSLYDIN10016	16 X 1.00	12.3	295	19.50
*YSLYDIN10018	18 X 1.00	12.9	328	19.50
*YSLYDIN10019	19 X 1.00	12.9	336	19.50
*YSLYDIN10020	20 X 1.00	13.9	375	19.50

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*YSLYDIN10021	21 X 1.00	14.6	406	19.50
*YSLYDIN10024	24 X 1.00	15.6	461	19.50
*YSLYDIN10025	25 X 1.00	15.6	469	19.50
*YSLYDIN10027	27 X 1.00	15.6	484	19.50
 				
*YSLYDIN15002	2 X 1.50	6.6	73	13.30
*YSLYDIN15003	3 X 1.50	6.9	89	13.30
*YSLYDIN15004	4 X 1.50	7.8	116	13.30
*YSLYDIN15005	5 X 1.50	8.7	143	13.30
*YSLYDIN15006	6 X 1.50	9.6	174	13.30
*YSLYDIN15007	7 X 1.50	9.6	186	13.30
*YSLYDIN15008	8 X 1.50	11.4	242	13.30
*YSLYDIN15010	10 X 1.50	12.7	299	13.30
*YSLYDIN15012	12 X 1.50	12.7	323	13.30
*YSLYDIN15014	14 X 1.50	13.4	367	13.30
*YSLYDIN15015	15 X 1.50	14.4	412	13.30
*YSLYDIN15016	16 X 1.50	14.4	423	13.30
*YSLYDIN15018	18 X 1.50	15.1	471	13.30
*YSLYDIN15019	19 X 1.50	15.1	483	13.30
*YSLYDIN15020	20 X 1.50	16.3	535	13.30
*YSLYDIN15021	21 X 1.50	17.2	582	13.30
*YSLYDIN15024	24 X 1.50	18.4	667	13.30
*YSLYDIN15025	25 X 1.50	18.4	678	13.30
*YSLYDIN15027	27 X 1.50	18.4	702	13.30
 				
*YSLYDIN25002	2 X 2.50	7.8	108	7.98
*YSLYDIN25003	3 X 2.50	8.2	135	7.98
*YSLYDIN25004	4 X 2.50	9.1	171	7.98
*YSLYDIN25005	5 X 2.50	10.2	216	7.98
*YSLYDIN25006	6 X 2.50	11.1	258	7.98
*YSLYDIN25007	7 X 2.50	11.1	277	7.98
*YSLYDIN25008	8 X 2.50	13.5	363	7.98
*YSLYDIN25010	10 X 2.50	15.0	452	7.98
*YSLYDIN25012	12 X 2.50	15.0	491	7.98
*YSLYDIN25014	14 X 2.50	16.1	566	7.98
*YSLYDIN25015	15 X 2.50	17.0	621	7.98
*YSLYDIN25016	16 X 2.50	17.0	640	7.98
*YSLYDIN25018	18 X 2.50	18.1	725	7.98
*YSLYDIN25019	19 X 2.50	18.1	744	7.98
*YSLYDIN25020	20 X 2.50	19.3	812	7.98
*YSLYDIN25021	21 X 2.50	20.5	887	7.98
*YSLYDIN25024	24 X 2.50	21.8	1010	7.98
*YSLYDIN25025	25 X 2.50	21.8	1029	7.98
*YSLYDIN25027	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.