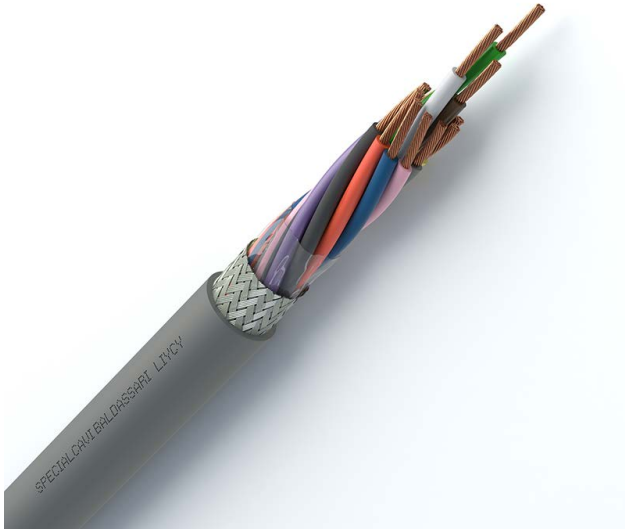




# LIYCY -DIN

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



## MANUFACTURING CHARACTERISTICS

**Conductor:**

Flexible bare copper, class 5

**Insulation:**

Flame retardant PVC compound

**Stranding:**

Cores twisted/stranded in concentric layers

**Wrapping and protection:**

Overall polyester tape

**Shield:**

Overall tinned copper braid

**Outer sheath:**

Flame retardant PVC compound

**Colours:**

*Cores identification:*

DIN 47100

*Outer sheath colour:*

Grey (based on RAL 7001)

## ELECTRICAL CHARACTERISTICS

**Operating voltage:** 300/500V

**Testing voltage:** 2000V

## 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.

Shielded cable for data transmission in electronics and computers, for signalling, measurement, command and control systems, and generally where there is a need for efficient protection from external electromagnetic interferences and compact sizes.

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<sub>ca</sub> - 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/mm<sup>2</sup> (during installation)  
15N/mm<sup>2</sup> (static stress)



Fixed laying



Occasional mobile laying w/o stress



In duct or cable tray

## ON REQUEST

- Customized cores identification/outer sheath colours

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]
*LYZ02502	2 X 0.25	4.3	27	75.00
*LYZ02503	3 X 0.25	4.6	33	75.00
*LYZ02504	4 X 0.25	4.9	39	75.00
*LYZ02505	5 X 0.25	5.4	48	75.00
*LYZ02506	6 X 0.25	5.8	55	75.00
*LYZ02508	8 X 0.25	6.3	65	75.00
*LYZ02510	10 X 0.25	7.5	86	75.00
*LYZ02512	12 X 0.25	7.5	89	75.00
*LYZ02514	14 X 0.25	7.9	100	75.00
*LYZ02516	16 X 0.25	8.3	113	75.00
*LYZ02518	18 X 0.25	8.7	124	75.00
*LYZ02520	20 X 0.25	9.3	138	75.00
*LYZ02525	25 X 0.25	10.4	167	75.00
<b>Separator</b>				
*LYZ03402	2 X 0.34	4.9	35	53.00
*LYZ03403	3 X 0.34	5.2	41	53.00
*LYZ03404	4 X 0.34	5.6	50	53.00
*LYZ03405	5 X 0.34	6.1	60	53.00
*LYZ03406	6 X 0.34	6.7	73	53.00
*LYZ03408	8 X 0.34	7.3	87	53.00
*LYZ03410	10 X 0.34	8.7	113	53.00
*LYZ03412	12 X 0.34	8.7	118	53.00
*LYZ03414	14 X 0.34	9.2	133	53.00
*LYZ03416	16 X 0.34	9.7	152	53.00
*LYZ03420	20 X 0.34	10.8	182	53.00
*LYZ03425	25 X 0.34	12.3	234	53.00
<b>Separator</b>				
*LYZ05002	2 X 0.50	5.6	44	39.00
*LYZ05003	3 X 0.50	5.9	52	39.00
*LYZ05004	4 X 0.50	6.5	65	39.00
*LYZ05005	5 X 0.50	7.1	79	39.00
*LYZ05006	6 X 0.50	7.7	94	39.00
*LYZ05008	8 X 0.50	8.5	115	39.00
*LYZ05010	10 X 0.50	10.1	149	39.00
*LYZ05012	12 X 0.50	10.1	155	39.00
*LYZ05016	16 X 0.50	11.3	202	39.00
*LYZ05020	20 X 0.50	12.8	258	39.00
*LYZ05025	25 X 0.50	14.5	317	39.00

# LiYCY-DIN

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]
*LYZ07502	2 X 0.75	5.8	49	26.00
*LYZ07503	3 X 0.75	6.2	62	26.00
*LYZ07504	4 X 0.75	6.7	75	26.00
*LYZ07505	5 X 0.75	7.4	93	26.00
*LYZ07506	6 X 0.75	8.0	109	26.00
*LYZ07507	7 X 0.75	8.0	114	26.00
*LYZ07508	8 X 0.75	8.9	136	26.00
*LYZ07510	10 X 0.75	10.6	175	26.00
*LYZ07512	12 X 0.75	10.6	184	26.00
*LYZ07516	16 X 0.75	12.0	251	26.00
*LYZ07520	20 X 0.75	13.5	308	26.00
*LYZ07525	25 X 0.75	15.2	377	26.00
<b>Separator</b>				
*LYZ10002	2 X 1.00	6.3	58	19.50
*LYZ10003	3 X 1.00	6.7	52	19.50
*LYZ10004	4 X 1.00	7.3	89	19.50
*LYZ10005	5 X 1.00	8.0	111	19.50
*LYZ10006	6 X 1.00	8.7	129	19.50
*LYZ10007	7 X 1.00	8.7	135	19.50
*LYZ10008	8 X 1.00	9.6	162	19.50
*LYZ10010	10 X 1.00	11.6	212	19.50
*LYZ10012	12 X 1.00	11.6	225	19.50
*LYZ10016	16 X 1.00	13.1	303	19.50
*LYZ10019	19 X 1.00	13.8	338	19.50
*LYZ10025	25 X 1.00	16.6	460	19.50
<b>Separator</b>				
*LYZ15002	2 X 1.50	7.5	80	13.30
*LYZ15003	3 X 1.50	8.0	101	13.30
*LYZ15004	4 X 1.50	8.7	124	13.30
*LYZ15005	5 X 1.50	9.6	154	13.30
*LYZ15006	6 X 1.50	10.5	185	13.30
*LYZ15007	7 X 1.50	10.5	194	13.30
*LYZ15008	8 X 1.50	11.6	231	13.30
*LYZ15010	10 X 1.50	14.0	313	13.30
*LYZ15012	12 X 1.50	14.1	331	13.30
*LYZ15016	16 X 1.50	15.8	433	13.30
*LYZ15019	19 X 1.50	16.7	489	13.30
*LYZ15025	25 X 1.50	20.2	667	13.30

# LiYCY-DIN

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]
*LYZ25002	2 X 2.50	8.9	113	7.98
*LYZ25003	3 X 2.50	9.5	149	7.98
*LYZ25004	4 X 2.50	10.4	184	7.98
*LYZ25005	5 X 2.50	11.5	229	7.98
*LYZ25007	7 X 2.50	12.7	300	7.98
*LYZ25010	10 X 2.50	17.0	465	7.98
*LYZ25012	12 X 2.50	17.0	496	7.98
*LYZ25016	16 X 2.50	19.1	654	7.98
*LYZ25019	19 X 2.50	20.2	744	7.98
*LYZ25025	25 X 2.50	24.5	1010	7.98

\* According to in-stock availability, cable which must be produced on request and minimum quantity

<sup>1</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.