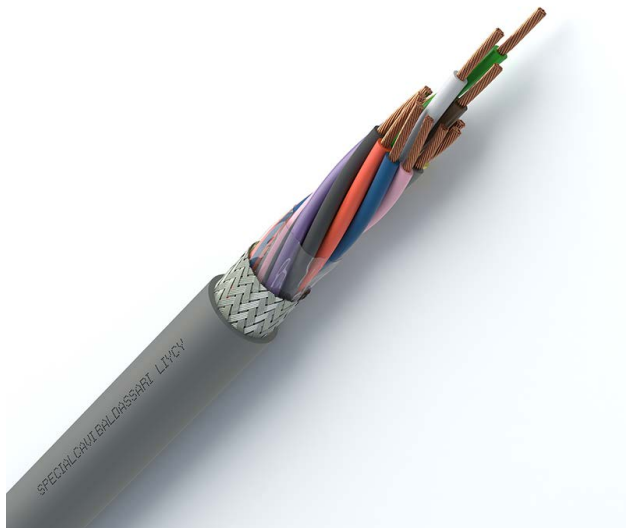




LIYCY -DIN

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

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

LAYING CONDITIONS



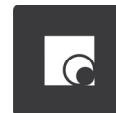
Minimum installation temperature -5°C

Min. bending radius:
d8 (fixed laying)
d15 (occasional mobile laying)Max tensile stress:
50N/mm² (during installation)
15N/mm² (static stress)

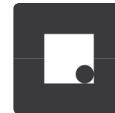
Fixed laying



Occasional mobile laying w/o stress



In duct or cable tray



In open air

ON REQUEST

- Customized cores identification/outer sheath colours

ELECTRICAL CHARACTERISTICS

Operating voltage:

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

Sheath operating voltage:

- 450/750V

Test voltage:

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

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.

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 size.

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]
*LY02502	2 X 0.25	4.3	27	75.00
*LY02503	3 X 0.25	4.6	33	75.00
*LY02504	4 X 0.25	4.9	39	75.00
*LY02505	5 X 0.25	5.4	48	75.00
*LY02506	6 X 0.25	5.8	55	75.00
*LY02508	8 X 0.25	6.3	65	75.00
*LY02510	10 X 0.25	7.5	86	75.00
*LY02512	12 X 0.25	7.5	89	75.00
*LY02514	14 X 0.25	7.9	100	75.00
*LY02516	16 X 0.25	8.3	113	75.00
*LY02518	18 X 0.25	8.7	124	75.00
*LY02520	20 X 0.25	9.3	138	75.00
*LY02525	25 X 0.25	10.4	167	75.00
 				
*LY03402	2 X 0.34	4.9	35	53.00
*LY03403	3 X 0.34	5.2	41	53.00
*LY03404	4 X 0.34	5.6	50	53.00
*LY03405	5 X 0.34	6.1	60	53.00
*LY03406	6 X 0.34	6.7	73	53.00
*LY03408	8 X 0.34	7.3	87	53.00
*LY03410	10 X 0.34	8.7	113	53.00
*LY03412	12 X 0.34	8.7	118	53.00
*LY03414	14 X 0.34	9.2	133	53.00
*LY03416	16 X 0.34	9.7	152	53.00
*LY03420	20 X 0.34	10.8	182	53.00
*LY03425	25 X 0.34	12.3	234	53.00
 				
*LY05002	2 X 0.50	5.6	44	39.00
*LY05003	3 X 0.50	5.9	52	39.00
*LY05004	4 X 0.50	6.5	65	39.00
*LY05005	5 X 0.50	7.1	79	39.00
*LY05006	6 X 0.50	7.7	94	39.00
*LY05008	8 X 0.50	8.5	115	39.00
*LY05010	10 X 0.50	10.1	149	39.00
*LY05012	12 X 0.50	10.1	155	39.00
*LY05016	16 X 0.50	11.3	202	39.00
*LY05020	20 X 0.50	12.8	258	39.00
*LY05025	25 X 0.50	14.5	317	39.00

LiYCY-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]
*LY07502	2 X 0.75	5.8	49	26.00
*LY07503	3 X 0.75	6.2	62	26.00
*LY07504	4 X 0.75	6.7	75	26.00
*LY07505	5 X 0.75	7.4	93	26.00
*LY07506	6 X 0.75	8.0	109	26.00
*LY07507	7 X 0.75	8.0	114	26.00
*LY07508	8 X 0.75	8.9	136	26.00
*LY07510	10 X 0.75	10.6	175	26.00
*LY07512	12 X 0.75	10.6	184	26.00
*LY07516	16 X 0.75	12.0	251	26.00
*LY07520	20 X 0.75	13.5	308	26.00
*LY07525	25 X 0.75	15.2	377	26.00
Separator				
*LY10002	2 X 1.00	6.3	58	19.50
*LY10003	3 X 1.00	6.7	52	19.50
*LY10004	4 X 1.00	7.3	89	19.50
*LY10005	5 X 1.00	8.0	111	19.50
*LY10006	6 X 1.00	8.7	129	19.50
*LY10007	7 X 1.00	8.7	135	19.50
*LY10008	8 X 1.00	9.6	162	19.50
*LY10010	10 X 1.00	11.6	212	19.50
*LY10012	12 X 1.00	11.6	225	19.50
*LY10016	16 X 1.00	13.1	303	19.50
*LY10019	19 X 1.00	13.8	338	19.50
*LY10025	25 X 1.00	16.6	460	19.50
Separator				
*LY15002	2 X 1.50	7.5	80	13.30
*LY15003	3 X 1.50	8.0	101	13.30
*LY15004	4 X 1.50	8.7	124	13.30
*LY15005	5 X 1.50	9.6	154	13.30
*LY15006	6 X 1.50	10.5	185	13.30
*LY15007	7 X 1.50	10.5	194	13.30
*LY15008	8 X 1.50	11.6	231	13.30
*LY15010	10 X 1.50	14.0	313	13.30
*LY15012	12 X 1.50	14.1	331	13.30
*LY15016	16 X 1.50	15.8	433	13.30
*LY15019	19 X 1.50	16.7	489	13.30
*LY15025	25 X 1.50	20.2	667	13.30

PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*LY25002	2 X 2.50	8.9	113	7.98
*LY25003	3 X 2.50	9.5	149	7.98
*LY25004	4 X 2.50	10.4	184	7.98
*LY25005	5 X 2.50	11.5	229	7.98
*LY25007	7 X 2.50	12.7	300	7.98
*LY25010	10 X 2.50	17.0	465	7.98
*LY25012	12 X 2.50	17.0	496	7.98
*LY25016	16 X 2.50	19.1	654	7.98
*LY25019	19 X 2.50	20.2	744	7.98
*LY25025	25 X 2.50	24.5	1010	7.98

* 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.