



LIYCY-TP

Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI LIYCY-TP <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 in pairs

Pairs 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)

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

ON REQUEST

- Customized cores identification/outer sheath colours

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.

Multi-pair cable with overall shield 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.

LiYCY-TP

PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*LX02502	2 X 2 X 0.25	6.1	50	75.00
*LX02503	3 X 2 X 0.25	6.4	58	75.00
*LX02504	4 X 2 X 0.25	6.9	69	75.00
*LX02505	5 X 2 X 0.25	7.7	84	75.00
*LX02506	6 X 2 X 0.25	8.3	96	75.00
*LX02508	8 X 2 X 0.25	8.9	117	75.00
*LX02510	10 X 2 X 0.25	10.0	141	75.00
 				
*LX03402	2 X 2 X 0.34	6.9	60	53.00
*LX03403	3 X 2 X 0.34	7.4	76	53.00
*LX03404	4 X 2 X 0.34	8.1	92	53.00
*LX03405	5 X 2 X 0.34	9.0	112	53.00
*LX03406	6 X 2 X 0.34	9.7	128	53.00
*LX03408	8 X 2 X 0.34	10.5	160	53.00
*LX03410	10 X 2 X 0.34	11.9	194	53.00
 				
*LX05002	2 X 2 X 0.50	8.0	77	39.00
*LX05003	3 X 2 X 0.50	8.5	95	39.00
*LX05004	4 X 2 X 0.50	9.4	118	39.00
*LX05005	5 X 2 X 0.50	10.4	145	39.00
*LX05006	6 X 2 X 0.50	11.3	168	39.00
*LX05008	8 X 2 X 0.50	12.2	210	39.00
*LX05010	10 X 2 X 0.50	14.0	267	39.00
 				
*LX07502	2 X 2 X 0.75	8.4	89	26.00
*LX07503	3 X 2 X 0.75	9.0	113	26.00
*LX07504	4 X 2 X 0.75	9.8	137	26.00
*LX07505	5 X 2 X 0.75	10.9	170	26.00
*LX07506	6 X 2 X 0.75	12.0	202	26.00
*LX07508	8 X 2 X 0.75	12.7	245	26.00
 				
*LX10002	2 X 2 X 1.00	9.2	107	19.50
*LX10003	3 X 2 X 1.00	9.7	133	19.50
*LX10004	4 X 2 X 1.00	10.8	170	19.50
*LX10005	5 X 2 X 1.00	11.9	205	19.50
*LX10006	6 X 2 X 1.00	13.2	252	19.50
*LX10008	8 X 2 X 1.00	14.0	308	19.50
 				
*LX15002	2 X 2 X 1.50	11.0	151	13.30
*LX15003	3 X 2 X 1.50	11.6	189	13.30
*LX15004	4 X 2 X 1.50	13.0	248	13.30
*LX15005	5 X 2 X 1.50	14.4	302	13.30
*LX15006	6 X 2 X 1.50	15.8	356	13.30
*LX15008	8 X 2 X 1.50	17.0	446	13.30

* 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.