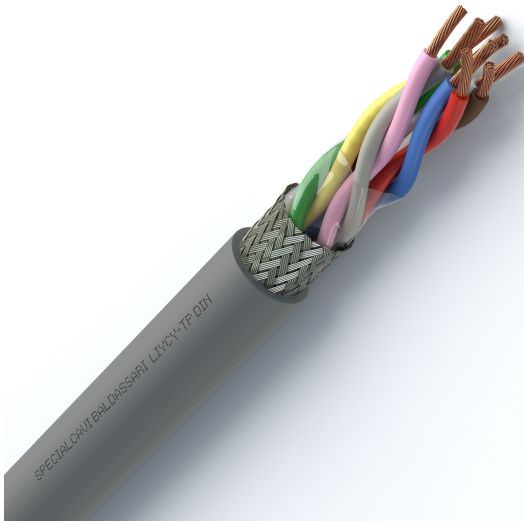




LIYCY-TP

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

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.

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

ON REQUEST

- Customized cores identification/outer sheath colours

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.