

UNITRONIC® LiYD11Y

Data transmission cable with copper wrapping and PUR outer sheath

UNITRONIC® LiYD11Y: black PUR outdoor data cable, overall copper wrapping screen, PVC cores, DIN 47100, Spiralizable, Flexible -5°C to +70°C, Abrasion resistant



Mechanical resistance



Oil-resistant



Interference signals



UV-resistant

Benefits

Increased durability under harsh conditions thanks to robust PUR outer sheath

Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media

Application range

Intended for use in industrial environments, where cables should have excellent mechanical and chemical resistance.

Screened cables with small dimensions are suitable for use in computer systems, instrumentation technology, office equipment, balances.

Can be used in dry or damp rooms

Outdoor use is possible within the indicated operating temperature range

Product features

PUR outer sheath, tear and notch-resistant, resistant to mineral oils and abrasion

Low-adhesive surface

Good UV-resistance

Flame retardant according to IEC 60332-2-2

Spiral versions with similar properties are also available: "UNITRONIC® SPIRAL"

Last Update (15.05.2025)

©2025 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

UNITRONIC® LiYD11Y

Norm references / Approvals

Based on VDE 0812

Product Make-up

Extra-fine wire strand made of bare copper wires
Core insulation made of PVC
Wrapped with bare copper wires
Outer sheath made of PUR
Outer sheath colour: black (RAL 9005)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	DIN 47100 without colour repetition, refer to Appendix T9
Mutual capacitance:	C/C approx. 140 nF/km C/S approx. 150 nF/km
Inductivity:	approx. 0.65 mH/km
Conductor stranding:	Stranded, extra-fine wire
Minimum bending radius:	Occasional flexing: 10 x outer diameter Fixed installation: 6 x outer diameter
Temperature range:	Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

UNITRONIC® LIYD11Y

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index [kg/km]	Weight [kg/km]
UNITRONIC® LIYD11Y				
0033202	2 x 0.14	4.1	9.6	20
0033203	3 x 0.14	4.3	11	25
0033204	4 x 0.14	4.5	12	27
0033205	5 x 0.14	4.8	14.4	33
0033206	6 x 0.14	5.5	17.6	38
0033207	7 x 0.14	5.9	21.5	41
0033212	12 x 0.14	7.2	33.2	62
0033218	18 x 0.14	8	44.2	83
0033302	2 x 0.25	4.7	11.8	25
0033303	3 x 0.25	5.3	15.6	31
0033304	4 x 0.25	5.6	18.2	36
0033305	5 x 0.25	6	21.4	42
0033306	6 x 0.25	6.8	26.1	49
0033307	7 x 0.25	7.3	27.8	53
0033312	12 x 0.25	8.4	48.1	81
0033318	18 x 0.25	9.7	69	117

Last Update (15.05.2025)

©2025 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03_16