

UNITRONIC® FD CY

Screened highly flexible data transmission cable with PVC outer sheath for power chain use

UNITRONIC® FD CY: Low-frequency PVC data cable, highly flexible/ extra-finely wired, drag/ energy chain, constant flexing/ bending, screened, flame retardant



Interference signals



Power chain

Benefits

- Well-proven and reliable
- Optimised cable construction for power chain use
- Cost-effective version
- Overall shield minimises electrical interference

Application range

Automated production processes require data cables that offer increasingly higher flexibility, durability and excellent screening
Suitable for use in measuring, control and regulating circuits
Assembly and production lines, in all kinds of machines

Product features

- Low-adhesive surface
- Flame-retardant according to IEC 60332-1-2
- Designed for 2 to 8 million alternating bending cycles in the power chain

Norm references / approvals

- Based on VDE 0812
- For distances up to 10 m
- For use in power chains: Please comply with assembly guideline appendix T3

Last Update (23.02.2017)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

UNITRONIC® FD CY

Design

Extra-fine wire strand made of bare copper wires
Core insulation made of PVC
Fleece wrapping
Tinned-copper braiding
Outer sheath made of PVC
Outer sheath colour: grey (RAL 7001)

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	DIN 47100, refer to appendix T9
Operating capacitance:	C/C approx. 110 nF/km C/S: approx. 110 nF/km
Peak operating voltage:	(not for power applications) 350 V
Inductance:	approx. 0.65 mH/km
Conductor design:	Stranded, extra-fine wire
Minimum bending radius:	Flexing: 7.5 x outer diameter Fixed installation: 4 x outer diameter
Test voltage:	1500 V
Temperature range:	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; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

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

Packaging: Ring \leq 30 kg or \leq 250 m, otherwise drum

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

Photographs 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.

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)
UNITRONIC® FD CY			
0027411	3 x 0.14	4.5	14.1
0027412	4 x 0.14	4.8	15.5
0027413	5 x 0.14	5.1	18.3
0027414	7 x 0.14	5.7	27.6
0027416	10 x 0.14	6.7	39.3
0027418	14 x 0.14	6.8	45.3
0027420	18 x 0.14	7.4	54.1
0027422	25 x 0.14	8.9	68.4
0027425	2 x 0.25	4.9	14.9
0027426	3 x 0.25	5.1	18.8
0027427	4 x 0.25	5.5	21.3
0027428	5 x 0.25	5.9	31
0027429	7 x 0.25	6.7	39.6
0027431	10 x 0.25	8.2	53.9
0027434	14 x 0.25	8.3	64.2
0027436	18 x 0.25	9.1	78.4
0027438	25 x 0.25	11	101
0027440	2 x 0.34	5.3	16.1
0027441	3 x 0.34	5.6	28.7
0027442	4 x 0.34	6	35.7
0027443	5 x 0.34	6.5	39.1
0027444	7 x 0.34	7.4	52.7
0027446	10 x 0.34	9.1	67.4
0027448	14 x 0.34	9.2	85.3
0027450	18 x 0.34	10.3	99.7
0027452	25 x 0.34	12.5	155

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