

## ÖLFLEX® CLASSIC PN

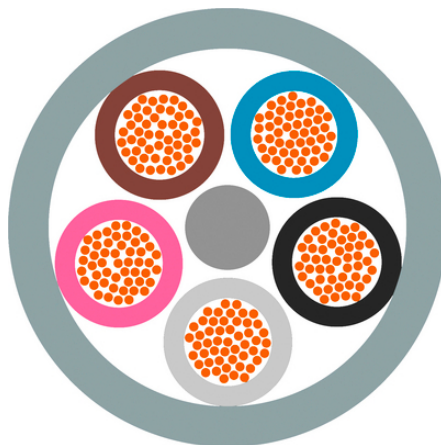
Colour-coded PVC control cable for the connection of PROFINET components

ÖLFLEX® CLASSIC PN - flexible PVC cable, colour coded, power cable for PROFINET applications with 24V

### Info

PROFINET 24 V power cable

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)



Good chemical resistance



Torsion-resistant

### Benefits

Colour code according to PROFINET-Guideline "PROFINET Cabling and Interconnection Technology" for clear identification of the cores

Space-saving installation due to small cable diameters

High electrical performance due to 4 kV test voltage

Classified fire behavior according to EU Directive 305/2011 (CPR) with article number selection under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)

### Application range

For power supply of PROFINET components

For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load

Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

Dry or damp rooms that are subject to medium mechanical loads

PVC outer sheath is resistant to acids and alkalis

### Product features

Flame-retardant according IEC 60332-1-2

Good chemical resistance, see catalogue appendix T1

Last Update (25.04.2024)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

## ÖLFLEX® CLASSIC PN

### Norm references / Approvals

Based on EN 50525-2-51

Based on EN 50525-2-11

### Product Make-up

Fine-wire strand made of bare copper wires

PVC insulation LAPP P8/1

Cores twisted in layers

PVC outer sheath, grey (similar RAL 7001)

### Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC001578

ETIM 5.0 Class-Description: Flexible cable

Classification ETIM 6:

ETIM 6.0 Class-ID: EC001578

ETIM 6.0 Class-Description: Flexible cable

Core identification code:

brown (L1), blue (N1),

4/5 cores: additionally black (L2), white (N2)

3/5 cores: additionally pink (FE)

Conductor stranding:

Fine wire according to VDE 0295,  
class 5/IEC 60228 class 5

Torsion movement in WTG:

TW-0 & TW-1, refer to Appendix T0

Minimum bending radius:

Occasional flexing: 15 x outer diameter

Fixed installation: 4 x outer diameter

Nominal voltage:

U0/U: 300/500 V

Test voltage:

4000 V

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](http://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).

Single lengths for sizes: ≥ 5G50 max. 500 m; ≥ 5G95 max. 400; ≥ 3G120 max. 500 m; ≥ 4G120 max. 300; ≥ 4G185 max. 250 m

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.

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Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1120831	3 X 0.75	5.7	21.6	55
1120838	4 X 0.75	6.2	28.8	66
1120832	5 X 0.75	6.7	36	79
1120833	3 X 1.5	6.7	43.2	84
1120839	4 X 1.5	7.2	57.6	104
1120834	5 X 1.5	8.1	72	128
1120835	3 X 2.5	8.1	72	132
1120837	4 X 2.5	8.9	96	163
1120836	5 X 2.5	10.0	120	200

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