



UNITRONIC® FD P plus

Highly flexible data transmission cable with PUR outer sheath

LAPP KABEL STUÏGART UNITRONIC® FD P plus



Info

- Flexible at low temperatures
- Low capacitance
- Halogen-free

Benefits

- Well-proven and reliable
- Optimized cable construction for power chain use
- Wide temperature range for applications in harsh climatic environments

Application range

- Highly flexible data cable with PUR outer sheath, meets the highest service life requirements, even under harsh climatic conditions.
- Multifunctional-use, e.g. for packaging industry and storage and retrieval units
- Suitable for use in measuring, control and regulating circuits

Product features

- PUR outer sheath, tear and notch-resistant, resistant to mineral oils and abrasion when used in power chains
- Flame-retardant according IEC 60332-1-2
- Halogen-free, has low capacitance and is flexible down to -40°C
- Oil-resistant
- Low-adhesive surface, resistant to hydrolysis and microbes, oil resistant

Norm references / Approvals

- Based on VDE 0812
- For travel distances up to 100 m (horizontal)
- For use in power chains: Please comply with the assembly guidelines listed in Appendix T3

Product make-up

- Extra-fine wire strand made of bare copper wires
- Core insulation: Based on Polyolefin
- Non-woven wrapping
- Outer sheath made of special PUR compound
Outer sheath colour: grey (RAL 7001)

Technical data

- Core identification code**
DIN 47100, refer to Appendix T9
- Mutual capacitance**
C/C approx. 60 nF/km
- Peak operating voltage**
(not for power applications) 250 V
- Specific insulation resistance**
> 5 GOhm x km
- Inductivity**
approx. 0.65 mH/km
- Conductor stranding**
Stranded, extra-fine wire
- Minimum bending radius**
Flexing: 5 x outer diameter
Fixed installation: 3 x outer diameter
- Test voltage**
1500 V
- Temperature range**
Flexing: -40°C to +80°C
Fixed installation: -40°C to +80°C

Article number	Number of cores and mm ² per conductor	AWG size	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® FD P plus					
0028650	3 x 0.14	26 AWG	3.9	4.1	25
0028651	4 x 0.14	26 AWG	4.2	5.6	30
0028652	5 x 0.14	26 AWG	4.5	7.0	34
0028653	7 x 0.14	26 AWG	5.1	9.8	48
0028654	10 x 0.14	26 AWG	6.1	14.0	60
0028655	14 x 0.14	26 AWG	6.2	19.6	74
0028656	18 x 0.14	26 AWG	6.8	25.2	87
0028657	25 x 0.14	26 AWG	8.3	35.0	120
0028658	2 x 0.25	24 AWG	4.3	5.0	27
0028659	3 x 0.25	24 AWG	4.5	7.5	32
0028660	4 x 0.25	24 AWG	4.9	10.0	39
0028661	5 x 0.25	24 AWG	5.3	12.5	49
0028662	7 x 0.25	24 AWG	6.3	17.5	61
0028663	10 x 0.25	24 AWG	7.4	25.0	80
0028664	14 x 0.25	24 AWG	7.5	35.0	103
0028665	18 x 0.25	24 AWG	8.5	45.0	125
0028666	25 x 0.25	24 AWG	10.4	62.5	171
0028667	2 x 0.34	22 AWG	4.7	6.8	33
0028668	3 x 0.34	22 AWG	5.0	10.2	41
0028669	4 x 0.34	22 AWG	5.4	13.6	55
0028670	5 x 0.34	22 AWG	5.9	17.0	62
0028671	7 x 0.34	22 AWG	6.8	23.8	80
0028672	10 x 0.34	22 AWG	8.5	34.0	110
0028673	14 x 0.34	22 AWG	8.6	47.6	144
0028674	18 x 0.34	22 AWG	9.7	61.2	175
0028675	25 x 0.34	22 AWG	11.9	85.0	239

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. 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 are not to scale and do not represent detailed images of the respective products.

Similar products

- ÖLFLEX® CLASSIC FD 810 P refer to page 118
- UNITRONIC® FD CP plus refer to page 273

Accessories

- SILVYN® CHAIN
- SMART STRIP stripping tool refer to page 911