

### Product Description

For power chain use



### Application range

- Highly flexible data cable with PUR outer sheath, meets the highest service life requirements, even under rough climatic conditions.

### Benefits

- For power chain use

### Design

- Stranded bare copper conductor, superfine
- Polyolefine core insulation
- PUR outer sheath
- Colour: grey (RAL 7001)

### Product features

- PUR outer sheath, tear resistant and notch ductile, resistant to mineral oils and abrasion when used in power chains
- Cable is halogen-free and has low capacitance
- Flame retardant according to IEC 60332-1-2
- Adhesion free, resistant to hydrolysis and microbes

## Technical Data

### Core identification code

DIN 47100, see Appendix T9

### Mutual capacitance

C/C approx. 60 nF/km

### Peak working voltage

(not for power applications) 250 V

### Inductivity

approx. 0.65 mH/km

### Specific insulation resistance

> 5 GOhm x km

### Conductor stranding

Strand, superfine wire in accordance with VDE 0295, single wire diameter 0.1 mm

### Conductor resistance

see Appendix T11

### Minimum bending radius

For flexible applications: 5 x cable diameter

### Test voltage

1500 V

### Range of temperature

-40°C to +70°C

## Article List

Part number	Number of cores and mm <sup>2</sup> per conductor	AWG size	Outer diameter in mm max.	Copper index kg/km	Weight kg/km
UNITRONIC® FD P plus					
0028650	3 x 0,14	26 AWG	4.1	4.1	25
0028651	4 x 0,14	26 AWG	4.4	5.6	30
0028652	5 x 0,14	26 AWG	4.7	7.0	34
0028653	7 x 0,14	26 AWG	5.4	9.8	48
0028654	10 x 0,14	26 AWG	6.4	14.0	60
0028655	14 x 0,14	26 AWG	6.5	19.6	74
0028656	18 x 0,14	26 AWG	7.1	25.2	87
0028657	25 x 0,14	26 AWG	8.6	35.0	120
0028658	2 x 0,25	24 AWG	4.5	5.0	27
0028659	3 x 0,25	24 AWG	4.7	7.5	32
0028660	4 x 0,25	24 AWG	5.1	10.0	39
0028661	5 x 0,25	24 AWG	5.6	12.5	49
0028662	7 x 0,25	24 AWG	6.4	17.5	61
0028663	10 x 0,25	24 AWG	7.7	25.0	80
0028664	14 x 0,25	24 AWG	7.8	35.0	103
0028665	18 x 0,25	24 AWG	8.8	45.0	125
0028666	25 x 0,25	24 AWG	10.8	62.5	171
0028667	2 x 0,34	22 AWG	4.9	6.8	33



0028669	4 x 0,34	22 AWG	5.7	13.6	55
0028670	5 x 0,34	22 AWG	6.2	17.0	62
0028671	7 x 0,34	22 AWG	7.1	23.8	80
0028672	10 x 0,34	22 AWG	8.8	34.0	110
0028673	14 x 0,34	22 AWG	8.9	47.6	144
0028674	18 x 0,34	22 AWG	10.0	61.2	175
0028675	25 x 0,34	22 AWG	12.3	85.0	239
0028668	x			10.2	

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (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.