

## PUR YY 500



### Technical data

- Special PUR cables adapted to DIN VDE 0245, 0281
- **Temperature range**  
flexing -5 °C to + 80 °C  
fixed installation -40 °C to + 80 °C
- **Nominal voltage** 300/500 V
- **Test voltage** 4000 V
- **Minimum bending radius**  
flexing 7.5 x cable diameter  
fixed installation 4 x cable diameter

### Cable structure

- Bare copper, fine wire conductors
- Special PVC core insulation
- Black cores with continuous white numbering according to DIN VDE 0293
- Special full-polyurethane outer jacket

### Properties

- Resistant to UV-radiation, oxygen, ozone and hydrolysis microbes

### Application

These cables are designed for flexible uses and free movements under medium mechanical stress. The PUR jacket enables the cable to be with the good abrasion and tear resistant features, making it suitable to be used in the machinery, tool making and plant industry.

### G = Green-yellow earth core

AWG-no.	NO. Cores x Cross-sec. mm <sup>2</sup>	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km	AWG-no.	NO. Cores x Cross-sec. mm <sup>2</sup>	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
20	2 x 0.5	4.8	9.6	45.0	16	2 x 1.5	6.2	29.0	68.0
20	3 G 0.5	5.1	14.4	55.0	16	3 G 1.5	6.6	43.0	87.0
20	3 x 0.5	5.1	14.4	55.0	16	3 x 1.5	6.6	43.0	87.0
20	4 G 0.5	5.7	19.0	65.0	16	4 G 1.5	7.2	58.0	106.0
20	4 x 0.5	5.7	19.0	65.0	16	4 x 1.5	7.2	58.0	106.0
18	2 x 0.75	5.4	14.4	44.0	14	3 x 2.5	7.8	48.0	110.0
18	3 G 0.75	5.7	21.6	53.0	14	3 G 2.5	8.3	72.0	146.0
18	3 x 0.75	5.7	21.6	53.0	14	4 G 2.5	9.2	96.0	183.0
18	4 G 0.75	6.2	29.0	64.0	12	4 G 4	11.0	154.0	291.0
18	4 x 0.75	6.2	29.0	64.0	12	5 G 4	12.7	192.0	355.0
17	2 x 1	5.7	19.0	53.0	10	4 G 6	13.4	230.0	468.0
17	3 G 1	6.0	29.0	63.0	10	5 G 6	14.9	288.0	570.0
17	3 x 1	6.0	29.0	63.0	8	4 G 10	16.9	384.0	720.0
17	4 G 1	6.6	38.0	75.0					
17	4 x 1	6.6	38.0	75.0					

## PUR CY 500



### Technical data

Special polyurethane sheathed cable

- **Temperature range**  
flexing -5 °C to + 80 °C  
fixed installation -40 °C to + 80 °C
- **Nominal voltage** 300/500 V
- **Test voltage** 3000 V
- **Minimum bending radius**  
flexing 10 x cable diameter  
fixed installation 5 x cable diameter

### Cable structure

- Bare copper conductor
- Core insulation of special PVC
- Black cores with continuous white numbering according
- Green-yellow earth core in the outer layer (3 cores and above)
- Separating foil
- Tinned copper braided screening, coverage approx. 85%
- Core wrapping from fleece guarantees good stripping capability
- PUR outer sheath

### Properties

- Resistant to  
UV-radiation;  
Oxygen;  
Ozone;  
Microbes.

### Application

These cables are designed for data and control signaling in electronics, machines, computer systems, etc. The dense screening offers a strong protection against interference to ensure accurate transmission of signals. The PUR jacket enables the cable to be with the good abrasion and tear resistant features, making it suitable to be used in the machinery, tool making and plant industry.

### G = Green-yellow earth core

AWG-no.	NO. Cores x Cross-sec. mm <sup>2</sup>	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km	AWG-no.	NO. Cores x Cross-sec. mm <sup>2</sup>	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
20	2 x 0.5	5.3	35.0	47.0	18	2 x 0.75	5.8	40.0	60.0
20	3 x 0.5	5.6	42.0	57.0	18	3 x 0.75	6.1	52.0	67.0
20	3 G 0.5	5.6	42.0	57.0	18	3 G 0.75	6.1	52.0	67.0
20	4 G 0.5	6.2	47.0	60.0	18	4 G 0.75	6.5	60.0	76.0
20	4 x 0.5	6.2	47.0	60.0	18	4 x 0.75	6.5	60.0	76.0
20	5 x 0.5	6.5	56.0	75.0	18	5 x 0.75	7.1	71.0	92.0
20	5 G 0.5	6.5	56.0	75.0	18	5 G 0.75	7.1	71.0	92.0
20	7 G 0.5	7.5	69.0	97.0	18	7 G 0.75	8.3	91.0	131.0
20	7 x 0.5	7.5	69.0	97.0	18	7 x 0.75	8.3	91.0	131.0

## PUR YY 750



### Technical data

- Special PUR control cable
- **Temperature range**  
flexing  
-40 °C to + 80 °C  
(up to +100°C for short periods)
- **Nominal voltage**  
300/500 V up to 1 mm<sup>2</sup>  
450/750 V as of 1,5 mm<sup>2</sup>
- **Test voltage**  
2000 V up to 1 mm<sup>2</sup>  
2500 V as of 1.5 mm<sup>2</sup>
- **Minimum bending radius**  
flexing 10 x cable diameter  
fixed installation 5 x cable diameter

### Cable structure

- Bare copper, fine wire conductors
- PUR core insulation
- color coded to DIN VDE 0293-308 and as 5 of 6 cores number coded
- For two cores: brown, blue
- Green-yellow earth core in the outer layer (3 cores and above)
- PUR outer jacket

### Properties

- High flexibility at low temperature
- High abrasion resistance
- Resistant to  
Oils and fats;  
Non-alcoholic fuels and kerosene;  
Atmospheric influences, UV-radiation;  
Oxygen and ozone;  
Microbes and rotting;  
Sea and waste water, vibrations.

### Application

These cables are designed for flexible uses and free movements under medium mechanical stress. The PUR jacket enables the cable to be with the good abrasion and tear resistant features, making them suitable to be used in the machinery, tool making and plant industry.

#### G = Green-yellow earth core

AWG-no.	NO. Cores x Cross-sec. mm <sup>2</sup>	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km	AWG-no.	NO. Cores x Cross-sec. mm <sup>2</sup>	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
18	2 x 0.75	6.3	15.0	44.0	12	3 G 4	12.2	115.0	220.0
18	3 G 0.75	6.8	22.0	55.0	12	4 G 4	13.4	154.0	280.0
18	4 G 0.75	7.4	29.0	70.0					
17	2 x 1	6.8	20.0	50.0	10	4 G 6	15.8	230.0	400.0
17	3 G 1	7.2	29.0	65.0	8	4 G 10	20.6	384.0	640.0
17	4 G 1	7.8	38.0	87.0					
16	2 x 1.5	8.2	29.0	70.0	6	4 G 16	23.6	614.0	920.0
16	3 G 1.5	8.7	43.0	95.0	4	4 G 25	29.4	960.0	1400.0
16	4 G 1.5	9.7	58.0	120.0					
14	2 x 2.5	9.8	48.0	110.0	2	4 G 35	33.1	1344.0	1870.0
14	3 G 2.5	10.5	72.0	150.0					
14	4 G 2.5	11.6	96.0	180.0	1	4 G 50	38.4	1920.0	2700.0