



## 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** U<sub>0</sub>/U 300/500 V
- **Test voltage** 4000 V
- **Breakdown voltage** min. 8000 V
- **Insulation resistance**  
min. 20 MOhm x km
- **Minimum bending radius**  
for permanent 7,5 x cable  $\varnothing$
- **Radiation resistance**  
up to 100x10<sup>6</sup> cJ/kg (up to 100 Mrad)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Cable structure

- Bare copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- **Oil resistant** PVC core insulation T12, in adapted to DIN VDE 0281 part 1, for better sliding abilities
- Black cores with continuous white figure imprint to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal lay-length
- Special **full-polyurethane** outer jacket TMPU, to DIN VDE 0282 part 10, appendix A
- Jacket also available in other colours

## Application

PURÖ-JZ is an extremely robust control cable with high abrasion and tear resistant properties. With high-grade oil resistant PVC core insulation. Due to its high resistance to mineral oils and especially to coolant emulsions, it is especially suited for use in the machine, tool making and plant industries as well as in the steel industry for difficult and problem areas. The high flexibility of this cable type makes it quick and easy to install. Suitable for outdoor lying and resistant to UV-radiation, oxygene, ozone and hydrolysis. Conditionally resistant to microbes.

A

C E = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer $\varnothing$ ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-no. *)
22100 OZ	2x0,5	4,8	9,6	45	20
22101	3G0,5	5,1	14,4	55	20
22102	4G0,5	5,7	19,0	65	20
22103	5G0,5	6,2	24,0	75	20
22104	7G0,5	7,2	33,6	90	20
22105	8G0,5	8,0	38,0	105	20
22106	10G0,5	8,8	48,0	120	20
22107	12G0,5	9,1	58,0	135	20
22108	14G0,5	9,5	67,0	170	20
22109	18G0,5	10,7	86,0	205	20
22110	21G0,5	12,0	96,0	225	20
22111	25G0,5	13,2	120,0	270	20
22112	30G0,5	13,5	144,0	315	20
22113	34G0,5	14,7	163,0	380	20
22114	42G0,5	15,8	202,0	415	20
22115	50G0,5	17,5	240,0	550	20
22116 OZ	2x0,75	5,4	14,4	44	18
22117	3G0,75	5,7	21,6	53	18
22118	4G0,75	6,2	29,0	64	18
22119	5G0,75	6,8	36,0	76	18
22120	7G0,75	8,1	50,0	96	18
22121	8G0,75	8,7	58,0	111	18
22122	10G0,75	9,6	72,0	140	18
22123	12G0,75	9,9	86,0	170	18
22124	14G0,75	10,4	101,0	202	18
22125	18G0,75	11,9	130,0	260	18
22126	21G0,75	13,3	151,0	269	18
22127	25G0,75	14,5	180,0	282	18
22128	30G0,75	15,0	216,0	400	18
22129	34G0,75	16,3	245,0	475	18
22130	42G0,75	17,7	302,0	600	18
22131	50G0,75	19,4	360,0	720	18

Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer $\varnothing$ ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-no. *)
22132 OZ	2x1	5,7	19,0	53	17
22133	3G1	6,0	29,0	63	17
22134	4G1	6,6	38,0	75	17
22135	5G1	7,1	48,0	89	17
22136	7G1	8,6	67,0	115	17
22137	8G1	9,4	77,0	131	17
22138	10G1	10,2	96,0	166	17
22139	12G1	10,7	115,0	201	17
22140	14G1	11,5	134,0	230	17
22141	18G1	12,9	173,0	289	17
22142	21G1	14,1	196,0	306	17
22143	25G1	14,9	240,0	380	17
22144	32G1	16,7	308,0	620	17
22145	34G1	17,4	326,0	645	17
22146	42G1	18,8	403,0	730	17
22147	50G1	20,9	480,0	890	17
22148 OZ	2x1,5	6,2	29,0	68	16
22149	3G1,5	6,6	43,0	87	16
22150	4G1,5	7,2	58,0	106	16
22151	5G1,5	8,0	72,0	131	16
22152	7G1,5	9,6	101,0	173	16
22153	8G1,5	10,5	115,0	199	16
22154	10G1,5	11,4	144,0	245	16
22155	12G1,5	12,0	173,0	293	16
22156	14G1,5	12,5	202,0	347	16
22157	18G1,5	14,1	259,0	454	16
22158	21G1,5	15,0	302,0	534	16
22159	25G1,5	16,8	360,0	641	16
22160	30G1,5	18,0	410,0	800	16
22161	34G1,5	19,5	490,0	945	16
22162	42G1,5	21,1	605,0	1100	16
22163	50G1,5	25,4	720,0	1250	16

Continuation ►

### \*) Note

AWG sizes are approximate equivalent values.  
The actual cross-section is in mm<sup>2</sup> – see page T 15.

G = with green-yellow earth core  
X = without green-yellow earth core (OZ)

### Please note

Cross-linked types also available on request.