

# JZ-600 PUR tear and coolant resistant, 0,6/1kV, meter marking



## Technical data

- Special PUR control cables Adapted to DIN VDE 0276 part 627, DIN VDE 0281 part 13, with insulation thickness for 1 kV type and UL-Std. 758 Style 20234
- **Temperature range**  
flexing -5 °C to +80 °C  
fixed installation -40 °C to +80 °C
- **Nominal voltage**  $U_0/U$  0,6/1 kV
- **Test voltage** 4000 V
- **Breakdown voltage** min. 8000 V
- **Insulation resistance**  
min. 20 MΩm x km
- **Power rating**  
as per DIN VDE 0298
- **Minimum bending radius**  
flexing 7,5x cable Ø  
fixed installation 4x cable Ø
- **Radiation resistance**  
up to 100x10<sup>6</sup> cJ/kg (up to 100 Mrad)

## Cable structure

- Bare copper, fine wire conductors, as per DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special PVC core insulation TI2, to DIN VDE 0281 part 1, class 43  
UL-Std. 1581UL-Style 10012
- Black cores with white figure imprints to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal lay-length
- Outer jacket, special full-polyurethane adapted to DIN VDE 0282 part 10, appendix A, flame retardant to UL-Std. 758
- Colour black (RAL 9005) or grey (RAL 7001)
- with meter marking, change-over in 2011

## Properties

- High abrasion resistance
- High flexibility
- Resistant to ultra violet rays
- Wear resistant
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Note

- G = with green-yellow earth core;  
x = without green-yellow earth core.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.
- **screened analogue type:**  
**JZ-600-YC-PUR**, see page N 52

## Application

Extremely robust, control cable resistant to mineral oils and to coolant emulsions. In tool machinery, conveyor belts and production lines, for plant installations, air conditioning and in steel production plants and rolling mills. Suitable for installation for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms as well as outside. Interesting for the export-oriented machinery plants.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no. Jacket colour	No. cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
28240	2 x 0,5	20	6,9	9,6	60,0
28241	3 G 0,5	20	7,3	14,4	70,0
28242	4 G 0,5	20	7,9	19,0	104,0
28243	5 G 0,5	20	8,5	24,0	120,0
28244	7 G 0,5	20	9,9	33,6	141,0
28245	12 G 0,5	20	12,2	58,0	208,0
28246	18 G 0,5	20	14,4	86,0	289,0
28247	25 G 0,5	20	17,2	120,0	342,0
28248	2 x 0,75	19	7,3	14,4	70,0
28249	3 G 0,75	19	7,7	21,6	78,0
28250	4 G 0,75	19	8,3	29,0	134,0
28251	5 G 0,75	19	9,1	36,0	149,0
28252	7 G 0,75	19	10,7	50,0	201,0
28253	12 G 0,75	19	13,1	86,0	269,0
28254	18 G 0,75	19	15,6	130,0	378,0
28255	25 G 0,75	19	18,9	180,0	498,0
28256	2 x 1	18	7,9	19,2	86,0
28257	3 G 1	18	8,3	29,0	100,0
28258	4 G 1	18	9,1	38,4	107,0
28259	5 G 1	18	9,9	48,0	130,0
28260	7 G 1	18	11,7	67,0	174,0
28261	12 G 1	18	14,5	115,0	290,0
28262	18 G 1	18	17,3	173,0	405,0
28263	25 G 1	18	21,1	240,0	570,0
28264	2 x 1,5	16	8,7	29,0	97,0
28265	3 G 1,5	16	9,2	43,0	118,0
28266	4 G 1,5	16	10,0	58,0	141,0
28267	5 G 1,5	16	11,0	72,0	181,0
28268	7 G 1,5	16	13,3	101,0	234,0
28269	12 G 1,5	16	16,6	173,0	370,0
28270	18 G 1,5	16	19,7	259,0	520,0
28271	25 G 1,5	16	23,9	360,0	730,0

Part no. Jacket colour	No. cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
28305	2 x 0,5	20	6,9	9,6	60,0
28306	3 G 0,5	20	7,3	14,4	70,0
28307	4 G 0,5	20	7,9	19,0	104,0
28308	5 G 0,5	20	8,5	24,0	120,0
28309	7 G 0,5	20	9,9	33,6	141,0
28310	12 G 0,5	20	12,2	58,0	208,0
28311	18 G 0,5	20	14,4	86,0	289,0
28312	25 G 0,5	20	17,2	120,0	342,0
28313	2 x 0,75	18	7,3	14,4	70,0
28314	3 G 0,75	18	7,7	21,6	78,0
28315	4 G 0,75	18	8,3	29,0	134,0
28316	5 G 0,75	18	9,1	36,0	149,0
28317	7 G 0,75	18	10,7	50,0	201,0
28318	12 G 0,75	18	13,1	86,0	269,0
28319	18 G 0,75	18	15,6	130,0	378,0
28320	25 G 0,75	18	18,9	180,0	498,0
28321	2 x 1	17	7,9	19,2	86,0
28322	3 G 1	17	8,3	29,0	100,0
28323	4 G 1	17	9,1	38,4	107,0
28324	5 G 1	17	9,9	48,0	130,0
28325	7 G 1	17	11,7	67,0	174,0
28326	12 G 1	17	14,5	115,0	290,0
28327	18 G 1	17	17,3	173,0	405,0
28328	25 G 1	17	21,1	240,0	570,0
28329	2 x 1,5	16	8,7	29,0	97,0
28330	3 G 1,5	16	9,2	43,0	118,0
28331	4 G 1,5	16	10,0	58,0	141,0
28332	5 G 1,5	16	11,0	72,0	181,0
28333	7 G 1,5	16	13,3	101,0	234,0
28334	12 G 1,5	16	16,6	173,0	370,0
28335	18 G 1,5	16	19,7	259,0	520,0
28336	25 G 1,5	16	23,9	360,0	730,0

Continuation ►

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Part no. Jacket colour	No. cores x cross-sec. mm²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
<b>black</b>					
28272	2 x 2,5	14	9,5	48,0	170,0
28273	3 G 2,5	14	10,0	72,0	181,0
28274	4 G 2,5	14	11,1	96,0	203,0
28275	5 G 2,5	14	12,4	120,0	251,0
28276	7 G 2,5	14	15,0	168,0	330,0
28277	12 G 2,5	14	18,4	288,0	553,0
28278	18 G 2,5	14	22,0	432,0	795,0
28279	25 G 2,5	14	26,9	600,0	1110,0
28280	2 x 4	12	11,4	77,0	190,0
28281	3 G 4	12	12,3	115,0	235,0
28282	4 G 4	12	13,8	154,0	310,0
28283	5 G 4	12	15,3	192,0	410,0
28284	7 G 4	12	16,8	269,0	540,0
28285	12 G 4	12	22,9	461,0	860,0
28286	3 G 6	10	14,1	173,0	370,0
28287	4 G 6	10	15,6	230,0	430,0
28288	5 G 6	10	17,3	288,0	650,0
28289	7 G 6	10	19,3	403,0	860,0
28290	3 G 10	8	16,5	288,0	660,0
28291	4 G 10	8	18,4	384,0	790,0
28292	5 G 10	8	20,5	480,0	960,0
28293	7 G 10	8	22,5	672,0	1300,0
28294	3 G 16	6	19,6	461,0	709,0
28295	4 G 16	6	21,7	614,0	1114,0
28296	5 G 16	6	24,2	768,0	1620,0
28297	7 G 16	6	25,7	1075,0	1900,0
28298	3 G 25	4	24,0	720,0	1450,0
28299	4 G 25	4	26,9	960,0	1600,0
28300	5 G 25	4	29,3	1200,0	2050,0
28301	7 G 25	4	32,6	1680,0	2900,0

Part no. Jacket colour	No. cores x cross-sec. mm²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
<b>grey</b>					
28337	2 x 2,5	14	9,5	48,0	170,0
28338	3 G 2,5	14	10,0	72,0	181,0
28339	4 G 2,5	14	11,1	96,0	203,0
28340	5 G 2,5	14	12,4	120,0	251,0
28341	7 G 2,5	14	15,0	168,0	330,0
28342	12 G 2,5	14	18,4	288,0	553,0
28343	18 G 2,5	14	22,0	432,0	795,0
28344	25 G 2,5	14	26,9	600,0	1110,0
28345	2 x 4	12	11,4	77,0	190,0
28346	3 G 4	12	12,3	115,0	235,0
28347	4 G 4	12	13,8	154,0	310,0
28348	5 G 4	12	15,3	192,0	410,0
28349	7 G 4	12	16,8	269,0	540,0
28350	12 G 4	12	22,9	461,0	860,0
28351	3 G 6	10	14,1	173,0	370,0
28352	4 G 6	10	15,6	230,0	430,0
28353	5 G 6	10	17,3	288,0	650,0
28354	7 G 6	10	19,3	403,0	860,0
28355	3 G 10	8	16,5	288,0	660,0
28356	4 G 10	8	18,4	384,0	790,0
28357	5 G 10	8	20,5	480,0	960,0
28358	7 G 10	8	22,5	672,0	1300,0
28359	3 G 16	6	19,6	461,0	709,0
28360	4 G 16	6	21,7	614,0	1114,0
28361	5 G 16	6	24,2	768,0	1620,0
28362	7 G 16	6	25,8	1075,0	1900,0
28363	3 G 25	4	24,0	720,0	1450,0
28364	4 G 25	4	26,9	960,0	1600,0
28365	5 G 25	4	29,3	1200,0	2050,0
28366	7 G 25	4	32,6	1680,0	2900,0

Dimensions and specifications may be changed without prior notice. (RN01)