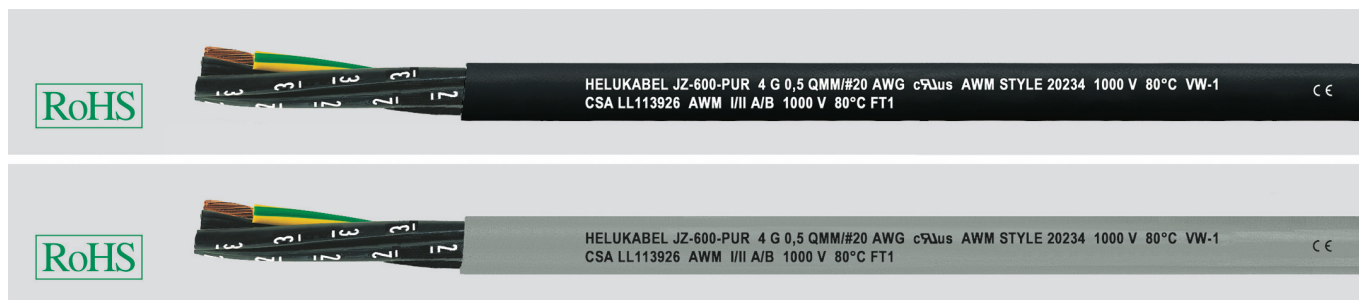


JZ-600 PUR tear and coolant resistant, 1000 V, meter marking



Technical data

- Special PUR control cables Adapted to DIN VDE 0276 part 627, DIN VDE 0285-525-2-51/ DIN EN 50525-2-51, 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**
VDE U₀/U 600/1000 V
UL/CSA 1000 V
- **Test voltage** 4000 V
- **Breakdown voltage** min. 8000 V
- **Insulation resistance**
min. 20 MOhm x km
- **Minimum bending radius**
flexing 7,5x cable Ø
fixed installation 4x cable Ø
- **Radiation resistance**
up to 100x10⁶ 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
- Core insulation of special PVC compound type T12 to DIN VDE 0207-363-3 / DIN EN 50363-3 and class 43 acc. to UL-Std.1581 UL-Style 10012
- Core identification to DIN VDE 0293 black cores with continuous white numbering
- GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded in layers with optimal lay-length
- Outer sheath of special **full-polyurethane** adapted to DIN VDE 0207-363-10-2/ DIN EN 50363-10-2, flame retardant acc. to UL-Std.758
- Sheath colour black (RAL 9005) or grey (RAL 7001)
- with meter marking

Properties

- High abrasion resistance
- High flexibility
- Resistant to ultra violet rays
- Wear resistant
- resistant to mineral oils and coolant emulsions
- 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 conductor
x = without green-yellow conductor
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².
- screened analogue type:
JZ-600-YC-PUR

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/EC.

Part no. Sheath colour	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. 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. Sheath colour	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. 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	19	7,3	14,4	70,0
28314	3 G 0,75	19	7,7	21,6	78,0
28315	4 G 0,75	19	8,3	29,0	134,0
28316	5 G 0,75	19	9,1	36,0	149,0
28317	7 G 0,75	19	10,7	50,0	201,0
28318	12 G 0,75	19	13,1	86,0	269,0
28319	18 G 0,75	19	15,6	130,0	378,0
28320	25 G 0,75	19	18,9	180,0	498,0
28321	2 x 1	18	7,9	19,2	86,0
28322	3 G 1	18	8,3	29,0	100,0
28323	4 G 1	18	9,1	38,4	107,0
28324	5 G 1	18	9,9	48,0	130,0
28325	7 G 1	18	11,7	67,0	174,0
28326	12 G 1	18	14,5	115,0	290,0
28327	18 G 1	18	17,3	173,0	405,0
28328	25 G 1	18	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 ▶

JZ-600 PUR tear and coolant resistant, 1000 V, meter marking



Part no. Sheath colour black	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
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. Sheath colour grey	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
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)