

# JZ-602-PUR 80°C, 600V, two approvals control cable



HELUKABEL JZ-602-PUR AWM 14 AWG/2,5 QMM 4C E170315 CSA AWM I/II A/B 80°C 600V FT 1

CE



## Technical data

- Control cable of special-PUR to UL CSA AWM I/II A/B Style 20939 (jacket insulation) and CSA
- Temperature range**  
flexing -5°C to +80°C  
fixed installation -40°C to +80°C
- Nominal voltage** according to UL + CSA 600 V
- Test voltage** 3000 V
- Breakdown voltage** min. 6000 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 100x10<sup>6</sup> cJ/kg (up to 100 Mrad)

## Cable construction

- Bare copper, fine wire stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special PVC core insulation Y18, to DIN VDE 0207 part 4 and UL-Style 10012
- Black cores with continuous white numbering according to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal lay-length
- Full-polyurethane**  
outer jacket grey (RAL 7001)

## Properties

- Resistant to mineral oils, synthetic oils, water based coolants, UV-radiation, oxygene, ozon and hydrolysis. Conditionally resistant to microbes.
- 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 (OZ).
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.

## Application

UL and CSA approved flexible control cable rated at 600 V, primarily designed for exporters to the US or Canadian market. Used in machine tools, control systems, connection between control panels and machines, assembly lines and other industrial equipment. Suitable for installation in dry, moist, wet and outdoor environment and moderate flexing applications.

CE= 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>	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
12471	2 x 0,5	20	5,8	9,6	52,0
12472	3 G 0,5	20	6,2	14,0	64,0
12473	4 G 0,5	20	6,6	19,0	72,0
12474	5 G 0,5	20	7,2	24,0	88,0
12475	7 G 0,5	20	8,5	34,0	130,0
12476	8 G 0,5	20	9,5	38,4	145,0
12477	9 G 0,5	20	10,4	43,2	180,0
12478	12 G 0,5	20	10,8	58,0	196,0
12479	18 G 0,5	20	12,8	86,0	260,0
12480	25 G 0,5	20	15,5	120,0	368,0
12481	34 G 0,5	20	17,6	163,0	502,0
12482	41 G 0,5	20	19,7	197,0	594,0
12483	2 x 1	18	6,2	19,2	57,0
12484	3 G 1	18	6,6	27,0	68,0
12485	4 G 1	18	7,2	38,4	79,0
12486	5 G 1	18	7,8	48,0	97,0
12487	7 G 1	18	9,1	67,0	141,0
12488	8 G 1	18	9,9	76,8	152,0
12489	9 G 1	18	11,0	86,4	190,0
12490	12 G 1	18	11,7	115,2	211,0
12491	18 G 1	18	14,0	173,0	284,0
12492	25 G 1	18	17,0	240,0	394,0
12493	34 G 1	18	19,2	326,0	521,0
12494	41 G 1	18	21,0	394,0	609,0
12495	2 x 1,5	16	6,9	28,8	75,0
12496	3 G 1,5	16	7,5	44,0	96,0
12497	4 G 1,5	16	8,1	58,0	117,0
12498	5 G 1,5	16	8,7	72,0	140,0
12499	7 G 1,5	16	10,6	101,0	186,0
12500	9 G 1,5	16	12,8	129,7	244,0
12501	12 G 1,5	16	13,4	173,0	319,0
12502	18 G 1,5	16	15,8	260,0	451,0
12503	25 G 1,5	16	18,9	360,0	625,0
12504	34 G 1,5	16	22,0	490,0	850,0
12505	41 G 1,5	16	23,7	590,0	1041,0

Part No.	No. cores x cross-sec. mm <sup>2</sup>	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
12506	2 x 2,5	14	8,2	48,0	115,0
12507	3 G 2,5	14	8,7	72,0	143,0
12508	4 G 2,5	14	10,1	96,0	185,0
12509	5 G 2,5	14	10,9	120,0	221,0
12510	7 G 2,5	14	13,1	168,0	293,0
12511	9 G 2,5	14	15,6	216,0	429,0
12512	12 G 2,5	14	16,7	288,0	563,0
12513	18 G 2,5	14	19,6	432,0	854,0
12514	19 G 2,5	14	19,7	456,0	914,0
12515	25 G 2,5	14	24,0	600,0	1188,0
12516	3 G 4	12	11,2	115,0	232,0
12517	4 G 4	12	12,5	154,0	298,0
12518	5 G 4	12	13,8	192,0	358,0
12519	7 G 4	12	16,3	269,0	460,0
12520	3 G 6	10	12,9	173,0	360,0
12521	4 G 6	10	14,2	231,0	402,0
12522	5 G 6	10	15,9	288,0	484,0
12523	7 G 6	10	19,4	403,0	630,0
12524	3 G 10	8	16,9	288,0	535,0
12525	4 G 10	8	18,5	384,0	653,0
12526	5 G 10	8	20,3	480,0	786,0
12527	7 G 10	8	22,3	672,0	1100,0
12528	2 x 16	6	19,2	307,0	640,0
12529	3 G 16	6	20,5	461,0	810,0
12530	4 G 16	6	23,0	615,0	1045,0
12531	5 G 16	6	25,5	768,0	1260,0
12532	7 G 16	6	28,2	1075,0	1760,0
12533	3 G 25	4	25,0	720,0	1180,0
12534	4 G 25	4	28,1	960,0	1507,0
12535	5 G 25	4	30,9	1200,0	1858,0
12536	7 G 25	4	35,5	1680,0	2830,0

Dimensions and specifications may be changed without prior notice.

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