

JZ-602

two approval control cable, 90°C, 600 V, meter marking



HELUKABEL JZ-602 91 AWM 14 AWG (2,5 mm²) 3C E170315 CSA AWM 1A/B 2A/B FT 1 600 V 90°C C E

Technical data

- Control cable of special-PVC acc. to UL CSA AWM I/II A/B Style 2587 and CSA
- Temperature range**
flexing -5°C to +90°C
fixed installation -40°C to +90°C
- Nominal voltage**
UL/CSA 600 V
- Test voltage**
3000 V
- Breakdown voltage**
min. 6000 V
- Minimum bending radius**
flexing 7,5x cable Ø
fixed installation 4x cable Ø

Cable structure

- Bare copper conductor, fine wire acc. to DIN VDE 0295 cl.5 / IEC 60228 cl.5
- Core insulation PVC
UL type 90°C acc. to UL Std. 758 as well as CSA Std. C22.2 No.210
- 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 selected lay length
- Outer sheath PVC
UL type 90°C acc. to UL Std. 758 as well as CSA Std. C22.2 No.210
- Sheath colour: grey (RAL 7001)
- With meter marking

Properties

- Extensively oil resistant
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

Tests

- Flame retardant
acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2 / UL VW-1 / CSA FT1

Note

- G = with GN-YE conductor
x = without GN-YE conductor (OZ)
- Please note "cleanroom qualified" when ordering.
- AWG sizes are approximate equivalent values. The actual cross section is in mm².
- Screened analogue type:

JZ-602-CY

Application

UL-approved and CSA certified flexible control cable rated at 600 V. Used in machine tools, control systems, connection between control panels and machines, assembly lines and other industrial equipment. Suitable for installation in dry, moist or wet environment and moderate flexing applications.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
83090	2 x 0,5	20	5,0	9,6	49,0
83091	3 G 0,5	20	5,3	14,0	58,0
83092	4 G 0,5	20	5,7	19,0	69,0
83093	5 G 0,5	20	6,2	24,0	84,0
83094	7 G 0,5	20	6,7	34,0	123,0
83100	8 G 0,5	20	7,2	38,4	140,0
83101	9 G 0,5	20	7,8	43,2	177,0
83095	12 G 0,5	20	8,8	58,0	192,0
83096	18 G 0,5	20	10,5	86,0	256,0
83097	25 G 0,5	20	12,4	120,0	358,0
83098	34 G 0,5	20	14,3	163,0	487,0
83099	41 G 0,5	20	15,4	197,0	580,0
83080	2 x 1	18	5,8	19,2	53,0
83081	3 G 1	18	6,1	27,0	61,0
83565	3 x 1	18	6,1	27,0	61,0
83082	4 G 1	18	6,6	38,4	74,0
83083	5 G 1	18	7,3	48,0	90,0
83084	7 G 1	18	7,9	67,0	130,0
83102	8 G 1	18	8,8	76,8	144,0
83103	9 G 1	18	9,4	86,4	180,0
83085	12 G 1	18	10,6	115,2	198,0
83086	18 G 1	18	12,7	173,0	274,0
83087	25 G 1	18	15,0	240,0	384,0
83088	34 G 1	18	17,5	326,0	494,0
83089	41 G 1	18	18,8	394,0	508,0
83070	2 x 1,5	16	6,4	28,8	73,0
83071	3 G 1,5	16	6,8	44,0	94,0
83072	4 G 1,5	16	7,4	58,0	117,0
83073	5 G 1,5	16	8,1	72,0	140,0

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
83074	7 G 1,5	16	9,0	101,0	186,0
83104	9 G 1,5	16	10,7	129,7	244,0
83075	12 G 1,5	16	11,8	173,0	319,0
83076	18 G 1,5	16	14,4	260,0	451,0
83077	25 G 1,5	16	17,0	360,0	625,0
83078	34 G 1,5	16	19,8	490,0	840,0
83079	41 G 1,5	16	21,5	590,0	1032,0
83060	2 x 2,5	14	7,6	48,0	115,0
83061	3 G 2,5	14	8,1	72,0	143,0
83062	4 G 2,5	14	9,0	96,0	185,0
83063	5 G 2,5	14	9,9	120,0	221,0
83064	7 G 2,5	14	11,0	168,0	293,0
83065	9 G 2,5	14	13,1	216,0	429,0
83066	12 G 2,5	14	14,7	288,0	563,0
83067	18 G 2,5	14	17,8	432,0	854,0
83068	19 G 2,5	14	17,8	456,0	914,0
83069	25 G 2,5	14	21,2	600,0	1188,0
83051	3 G 4	12	9,5	115,0	232,0
83052	4 G 4	12	10,6	154,0	298,0
83053	5 G 4	12	11,7	192,0	358,0
83054	7 G 4	12	13,0	269,0	460,0
83041	3 G 6	10	11,5	173,0	360,0
83042	4 G 6	10	12,8	231,0	402,0
83043	5 G 6	10	14,3	288,0	484,0
83044	7 G 6	10	15,8	403,0	630,0
83031	3 G 10	8	14,9	288,0	535,0
83032	4 G 10	8	16,5	384,0	653,0
83033	5 G 10	8	18,5	480,0	786,0
83034	7 G 10	8	20,4	672,0	1100,0

Continuation ►

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Part no.	No. cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
83020	2 x 16	6	17,6	307,0	640,0
83021	3 G 16	6	18,6	461,0	810,0
83022	4 G 16	6	20,5	615,0	1045,0
83023	5 G 16	6	23,0	768,0	1260,0
83024	7 G 16	6	25,2	1075,0	1760,0
83011	3 G 25	4	23,1	720,0	1180,0
83012	4 G 25	4	25,4	960,0	1507,0
83013	5 G 25	4	28,4	1200,0	1858,0
83014	7 G 25	4	31,4	1680,0	2830,0
83001	3 G 35	2	25,4	1008,0	1590,0
83002	4 G 35	2	28,2	1344,0	2123,0
83003	5 G 35	2	31,5	1680,0	2612,0

Part no.	No. cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
83004	3 G 50	1	30,1	1440,0	2652,0
83005	4 G 50	1	33,4	1920,0	3058,0
83006	5 G 50	1	37,3	2400,0	4093,0
83007	3 G 70	2/0	34,2	2016,0	3307,0
83008	4 G 70	2/0	37,9	2688,0	4254,0
83009	5 G 70	2/0	42,4	3360,0	5661,0
83010	3 G 95	3/0	38,6	2736,0	4867,0
83015	4 G 95	3/0	42,7	3648,0	5762,0
83016	5 G 95	3/0	47,8	4560,0	7208,0
83017	3 G 120	4/0	42,9	3456,0	5580,0
83018	4 G 120	4/0	47,6	4608,0	7280,0
83019	5 G 120	4/0	53,1	5760,0	8692,0

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