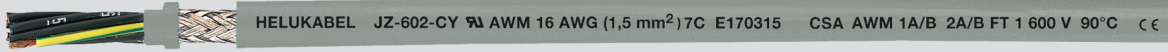


JZ-602-CY

screened two approval control cable, oil resistant, EMC-preferred type, 90°C, 600 V, meter marking



Technical data

- Control cable of special-PVC acc. to UL CSA AWM I/II A/B Style 2587 (sheath insulation) 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
- Insulation resistance**
min. 20 MOhm x km
- Minimum bending radius**
flexing 10x cable Ø
fixed installation 5x cable Ø
- Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)
- Coupling resistance**
max. 250 Ohm/km

Cable structure

- Bare copper, fine wire stranded to DIN VDE 0295 cl.5, BS 6360 cl.5 and IEC 60228 cl.5
- Core insulation of PVC compound type T13 to DIN VDE 0207-363-3 / DIN EN 50363-3 and class 43 acc. to UL Std.1581
- 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
- PVC-insulated inner sheath YM5 to DIN VDE 0207 part 5
- Braided screen of tinned Cu wires approx. 85% coverage
- Outer sheath of special PVC compound type YM5 to DIN VDE 0207 part 5 and class 43 acc. to UL Std.1581
- Sheath colour: grey (RAL 7001)
- With meter marking

Properties

- Resistant to mineral oils, synthetic oils and coolant
- The outer sheath is approved with an improved oil resistance test
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2 (equivalent DIN VDE 0472 part 804 test method B), UL VW-1, CSA FT1

Note

- G = with GN-YE conductor
x = without GN-YE conductor (OZ)
- Cleanroom qualification tested with analog type. Please note "cleanroom qualified" when ordering.
- AWG sizes are approximate equivalent values. The actual cross section is in mm².
- Unscreened analogue type:
JZ-602

Application

UL and CSA approved flexible control cables up to 600 V, for all machinery in tooling and plant construction, suitable for installation in dry, moist or wet environments for medium mechanical loads. Designed for the export-orientated machinery manufacturer, specifically for USA and Canada. The thick braiding screen ensures compliance with electromagnetic requirements.

EMC = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

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
82990	2 x 0,5	20	7,4	35,0	93,0
82991	3 G 0,5	20	7,7	42,0	124,0
82992	4 G 0,5	20	8,2	47,0	133,0
82993	5 G 0,5	20	9,0	56,0	153,0
82994	7 G 0,5	20	9,6	69,0	191,0
82995	9 G 0,5	20	11,2	87,0	243,0
82996	12 G 0,5	20	12,3	108,0	322,0
82997	18 G 0,5	20	14,7	145,0	374,0
82998	25 G 0,5	20	17,0	240,0	436,0
82999	34 G 0,5	20	21,4	312,0	560,0
83000	41 G 0,5	20	21,4	348,0	663,0
82979	2 x 1	18	8,1	50,0	107,0
82980	3 G 1	18	8,5	60,0	130,0
82981	4 G 1	18	9,2	71,0	155,0
82982	5 G 1	18	10,1	88,0	181,0
82983	7 G 1	18	10,8	111,0	209,0
82984	9 G 1	18	12,7	139,0	321,0
82985	12 G 1	18	14,1	184,0	341,0
82986	18 G 1	18	16,6	260,0	473,0
82987	25 G 1	18	19,7	349,0	650,0
82988	34 G 1	18	22,6	486,0	781,0

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
82989	41 G 1	18	24,7	531,0	892,0
82968	2 x 1,5	16	8,6	63,0	136,0
82969	3 G 1,5	16	9,2	80,0	165,0
82970	4 G 1,5	16	10,0	97,0	192,0
82971	5 G 1,5	16	11,0	119,0	224,0
82972	7 G 1,5	16	11,8	147,0	273,0
82973	9 G 1,5	16	14,0	182,0	340,0
82974	12 G 1,5	16	15,3	267,0	461,0
82975	18 G 1,5	16	18,5	374,0	674,0
82976	25 G 1,5	16	21,8	526,0	950,0
82977	34 G 1,5	16	25,2	629,0	1203,0
82978	41 G 1,5	16	27,6	801,0	1588,0
82959	2 x 2,5	14	10,1	96,0	173,0
82960	3 G 2,5	14	10,6	144,0	220,0
82961	4 G 2,5	14	11,6	148,0	270,0
82962	5 G 2,5	14	12,7	181,0	329,0
82963	7 G 2,5	14	14,0	255,0	428,0
82964	9 G 2,5	14	16,4	309,0	580,0
82965	12 G 2,5	14	18,1	441,0	761,0
82966	18 G 2,5	14	22,2	570,0	1140,0
82967	25 G 2,5	14	27,0	738,0	1551,0

Continuation ▶

JZ-602-CY

screened two approval control cable, oil resistant, EMC-preferred type,
90°C, 600 V, meter marking



Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
82954	2 x 4	12	11,2	120,0	209,0
82955	3 G 4	12	11,9	174,0	310,0
82956	4 G 4	12	13,3	230,0	456,0
82957	5 G 4	12	14,6	273,0	532,0
82958	7 G 4	12	15,9	316,0	737,0
82949	2 x 6	10	12,9	173,0	318,0
82950	3 G 6	10	14,0	240,0	411,0
82951	4 G 6	10	15,4	305,0	572,0
82952	5 G 6	10	17,0	439,0	732,0
82953	7 G 6	10	18,3	505,0	961,0
82945	3 G 10	8	16,3	350,0	741,0
82946	4 G 10	8	19,4	535,0	988,0
82947	5 G 10	8	21,6	592,0	1202,0
82948	7 G 10	8	23,9	810,0	1743,0
82941	3 G 16	6	23,9	585,0	1088,0
82942	4 G 16	6	26,4	740,0	1662,0
82943	5 G 16	6	29,6	895,0	2021,0
82944	7 G 16	6	32,6	1282,0	2720,0

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
82937	3 G 25	4	28,3	1070,0	1947,0
82938	4 G 25	4	31,4	1140,0	2591,0
82939	5 G 25	4	34,6	1380,0	3197,0
82940	7 G 25	4	38,1	1870,0	4530,0
82934	3 G 35	2	31,3	1240,0	2701,0
82935	4 G 35	2	34,4	1576,0	3277,0
82936	5 G 35	2	38,1	1930,0	4530,0
82488	3 G 50	1	37,0	1675,0	2870,0
82780	4 G 50	1	40,9	2155,0	3960,0
82781	5 G 50	1	45,0	2794,0	4371,0
82782	3 G 70	2/0	42,1	2288,0	3647,0
82783	4 G 70	2/0	46,2	3120,0	4882,0
82914	5 G 70	2/0	50,9	3705,0	5876,0
82915	3 G 95	3/0	46,2	3010,0	4751,0
82916	4 G 95	3/0	50,0	4043,0	6368,0
82917	5 G 95	3/0	56,0	5026,0	7843,0
82918	3 G 120	4/0	52,8	3812,0	5899,0
82919	4 G 120	4/0	58,2	5069,0	8010,0
82920	5 G 120	4/0	63,8	5877,0	9205,0

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