JZ-602-CY

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

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 10x cable Ø
  fixed installation 5x cable Ø
- **Coupling resistance**
  max. 250 Ohm/km

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 lay length
- Inner sheath PVC
  UL type 90°C acc. to UL Std. 758 as well as CSA Std. C22.2 No.210
- Braided screen of tinned Cu wires approx. 85% coverage
- 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)
- 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. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
82990	2 x 0,5	20	7,0	35,0	93,0
82991	3 G 0,5	20	7,3	42,0	124,0
82992	4 G 0,5	20	7,7	47,0	133,0
82993	5 G 0,5	20	8,2	56,0	153,0
82994	7 G 0,5	20	8,9	69,0	191,0
82995	9 G 0,5	20	10,0	87,0	243,0
82996	12 G 0,5	20	11,0	108,0	322,0
82997	18 G 0,5	20	13,1	145,0	374,0
82998	25 G 0,5	20	15,0	240,0	436,0
82999	34 G 0,5	20	16,9	312,0	560,0
83000	41 G 0,5	20	18,4	348,0	663,0
82979	2 x 1	18	7,8	50,0	107,0
82980	3 G 1	18	8,2	60,0	130,0
82981	4 G 1	18	8,9	71,0	155,0
82982	5 G 1	18	9,5	88,0	181,0
82983	7 G 1	18	10,1	111,0	209,0
82984	9 G 1	18	11,8	139,0	321,0
82985	12 G 1	18	13,3	184,0	341,0
82986	18 G 1	18	15,3	260,0	473,0
82987	25 G 1	18	18,0	349,0	650,0
82988	34 G 1	18	20,5	486,0	781,0

Part no.	No.cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
82989	41 G 1	18	22,0	531,0	892,0
82968	2 x 1,5	16	8,4	63,0	136,0
82969	3 G 1,5	16	9,0	80,0	165,0
82970	4 G 1,5	16	9,6	97,0	192,0
82971	5 G 1,5	16	10,5	119,0	224,0
82972	7 G 1,5	16	11,2	147,0	273,0
82973	9 G 1,5	16	13,3	182,0	340,0
82974	12 G 1,5	16	14,7	267,0	461,0
82975	18 G 1,5	16	17,0	374,0	674,0
82976	25 G 1,5	16	20,2	526,0	950,0
82977	34 G 1,5	16	23,0	629,0	1203,0
82978	41 G 1,5	16	25,1	801,0	1588,0
82959	2 x 2,5	14	9,8	96,0	173,0
82960	3 G 2,5	14	10,5	144,0	220,0
82961	4 G 2,5	14	11,2	148,0	270,0
82962	5 G 2,5	14	12,5	181,0	329,0
82963	7 G 2,5	14	13,6	255,0	428,0
82964	9 G 2,5	14	15,9	309,0	580,0
82965	12 G 2,5	14	17,5	441,0	761,0
82966	18 G 2,5	14	21,0	570,0	1140,0
82967	25 G 2,5	14	24,6	738,0	1551,0

Continuation ▸

24.01.2019 / Dimensions and specifications may be changed without prior notice.

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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
82954	2 x 4	12	11,2	120,0	209,0
82955	3 G 4	12	12,0	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	15,8	316,0	737,0
82949	2 x 6	10	13,4	173,0	318,0
82950	3 G 6	10	14,3	240,0	411,0
82951	4 G 6	10	15,4	305,0	572,0
82952	5 G 6	10	16,9	439,0	732,0
82953	7 G 6	10	18,6	505,0	961,0
82945	3 G 10	8	17,7	350,0	741,0
82946	4 G 10	8	19,8	535,0	988,0
82947	5 G 10	8	21,7	592,0	1202,0
82948	7 G 10	8	23,6	810,0	1743,0
82941	3 G 16	6	21,9	585,0	1088,0
82942	4 G 16	6	24,0	740,0	1662,0
82943	5 G 16	6	26,6	895,0	2021,0
82944	7 G 16	6	28,8	1282,0	2720,0

Part no.	No.cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
82937	3 G 25	4	26,7	1070,0	1947,0
82938	4 G 25	4	29,1	1140,0	2591,0
82939	5 G 25	4	32,3	1380,0	3197,0
82940	7 G 25	4	35,2	1870,0	4530,0
82934	3 G 35	2	29,1	1240,0	2701,0
82935	4 G 35	2	32,1	1576,0	3277,0
82936	5 G 35	2	35,4	1930,0	4530,0
82488	3 G 50	1	34,0	1675,0	2870,0
82780	4 G 50	1	37,4	2155,0	3960,0
82781	5 G 50	1	41,3	2794,0	4371,0
82782	3 G 70	2/0	38,4	2288,0	3647,0
82783	4 G 70	2/0	42,3	3120,0	4882,0
82914	5 G 70	2/0	46,7	3705,0	5876,0
82915	3 G 95	3/0	42,9	3010,0	4751,0
82916	4 G 95	3/0	47,2	4043,0	6368,0
82917	5 G 95	3/0	52,4	5026,0	7843,0
82918	3 G 120	4/0	47,3	3812,0	5899,0
82919	4 G 120	4/0	52,2	5069,0	8010,0
82920	5 G 120	4/0	57,9	5877,0	9205,0

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

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