JZ-602-CY / OZ-602-CY

90°C, 600 V, EMC-preferred type



TECHNICAL DATA

PVC control and connection cable acc. to UL-Std. 758 (AWM) Style 2587, CSA-Std. C22.2 No. 210 - AWM I/II A/B

Temperature range	flexible -10°C to +90°C fixed -40°C to +90°C
Nominal voltage	UL (AWM) AC 600 V
Test voltage core/core	3000 V
Breakdown voltage	6000 V
Coupling resistance	at 30 MHz, approx. 250 Ohm/km
Minimum bending radius	flexible 10x Outer-Ø fixed 5x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: PVC acc. to UL-Std. 758 (AWM) Style 11008, CSA-Std. C22.2 No. 210
- Core identification acc. to DIN VDE 0293-334, black cores with consecutive labeling in white digits
- Protective conductor: starting with 3 cores, G = with protective conductor GN-YE, in the outer layer, x = without protective conductor (OZ)
- Cores stranded in layers with optimal lay lengths
- Inner sheath: PVC acc. to UL-Std. 758 (AWM) Style 2587, CSA-Std. C22.2 No. 210
- Screen: braided screen of tinned copper wires, approx. coverage 85%
- Outer sheath: PVC acc. to UL-Std. 758 (AWM) Style 2587, CSA-Std. C22.2 No. 210
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

PROPERTIES

- largely resistant to: oil
- 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

APPLICATION

UL/CSA approved, flexible control cable (up to 600 V) for machine, tool and plant construction. Suitable for medium mechanical stress with free movement, without tensile stress and without forced motion control in dry, damp and wet rooms, however, not suitable for outdoor use. Designed for export-oriented mechanical engineers, specifically in the USA and Canada. EMC= Electromagnetic Compatibility; in order to optimise EMC properties, we recommend a double-sided and all-round large contact area of the copper braiding.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
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, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
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

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Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
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
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

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