JZ-602 / OZ-602

90°C, 600 V



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
Minimum bending radius	flexible 7.5x Outer-Ø fixed 4x 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
- 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.

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.
83090	2 x 0.5	20	5.0	10.8	49.0
83091	3 G 0.5	20	5.3	16.1	58.0
83092	4 G 0.5	20	5.7	21.5	69.0
83093	5 G 0.5	20	6.2	27.0	84.0
83094	7 G 0.5	20	6.7	37.6	123.0
83100	8 G 0.5	20	7.2	43.0	140.0
83101	9 G 0.5	20	7.8	48.4	177.0
83095	12 G 0.5	20	8.8	64.5	192.0
83096	18 G 0.5	20	10.5	97.0	256.0
83097	25 G 0.5	20	12.4	134.5	358.0
83098	34 G 0.5	20	14.3	182.8	487.0
83099	41 G 0.5	20	15.4	220.4	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

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
83072	4 G 1.5	16	7.4	58.0	117.0
83073	5 G 1.5	16	8.1	72.0	140.0
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

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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.
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
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

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
83002	4 G 35	2	28.2	1344.0	2123.0
83003	5 G 35	2	31.5	1680.0	2612.0
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

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